

2016-2017 STATE OF FLORIDA INSTRUCTIONAL MATERIALS ADOPTION  
STANDARDS ALIGNMENT  
COURSE STANDARDS/BENCHMARKS (Form IM7)

SUBMISSION TITLE:	Science - Middle School - Comprehensive Science 3 - Florida (2017)
GRADE LEVEL:	MS
PUBLISHER:	Discovery Education

BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)
LAFS.6.SL.1.2	Interpret information presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how it contributes to a topic, text, or issue under study.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle> Explore > Core Interactive Text page 2 > Carbon Emissions from Human Activities <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/dd87676b-5306-4fea-9eab-f23e98562f8e">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/dd87676b-5306-4fea-9eab-f23e98562f8e</a>
LAFS.6.SL.1.3	Delineate a speaker's argument and specific claims, distinguishing claims that are supported by reasons and evidence from claims that are not.	Photosynthesis  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Photosynthesis > Elaborate with STEM > STEM Project Starters page 1 > Project: Engineering Better Crops <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/5f7a5d0f-7b5f-417c-8ba5-b8bf67433abb">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/5f7a5d0f-7b5f-417c-8ba5-b8bf67433abb</a>
LAFS.6.SL.2.5	Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle> Elaborate with STEM > STEM Project Starters page 2 > Project: Measuring Your Carbon Footprint <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/36cdf4c7-4330-402b-b2dd-7aa84e015da6">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/36cdf4c7-4330-402b-b2dd-7aa84e015da6</a>
LAFS.6.SL.2.5	Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.	Energy in Ecosystems  Comprehensive Science 3 - Florida (2017) > Energy and Life > Energy and Ecosystems > Elaborate with STEM > STEM Project Starters page 1 > Project: Energy Flow in Caves <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/fb8cce56-82d2-4025-85c5-500699899f9e">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/fb8cce56-82d2-4025-85c5-500699899f9e</a>
LAFS.68.RST.1.1	Cite specific textual evidence to support analysis of science and technical texts.	Theories About How the Universe Formed  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Theories About How the Universe Formed > Explore > Core Interactive Text page 2 > Reading Passage: Understanding the Universe: A Big Bang or a Steady State? <a href="https://app.discoveryeducation.com/player/view/assetGuid/4ec201e8-f505-4ad7-b48f-21a3a270d8ad">https://app.discoveryeducation.com/player/view/assetGuid/4ec201e8-f505-4ad7-b48f-21a3a270d8ad</a>
LAFS.68.RST.1.1	Cite specific textual evidence to support analysis of science and technical texts.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM in Action: A Life of Chemistry: Female Chemists <a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
LAFS.68.RST.1.2	Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.	Theories About How the Universe Formed  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Theories About How the Universe Formed > Explore > Core Interactive Text page 2 > Reading Passage: Understanding the Universe: A Big Bang or a Steady State? <a href="https://app.discoveryeducation.com/player/view/assetGuid/4ec201e8-f505-4ad7-b48f-21a3a270d8ad">https://app.discoveryeducation.com/player/view/assetGuid/4ec201e8-f505-4ad7-b48f-21a3a270d8ad</a>
LAFS.68.RST.1.2	Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Explore > Explore More Resources > Reading Passage: What Are Colloids? <a href="https://app.discoveryeducation.com/player/view/assetGuid/3a96fc01-a9fe-4a5e-9802-94b63b9e6988">https://app.discoveryeducation.com/player/view/assetGuid/3a96fc01-a9fe-4a5e-9802-94b63b9e6988</a>

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LAFS.68.RST.1.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	<p>Photosynthesis</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/0e48de5e-7cf8-40de-92a9-24d8506fbc27">https://app.discoveryeducation.com/player/view/assetGuid/0e48de5e-7cf8-40de-92a9-24d8506fbc27</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; Photosynthesis &gt; Explore &gt; Explore More Resources &gt; Hands-On Activity: Starch and Photosynthesis</p>
LAFS.68.RST.1.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	<p>The Carbon Cycle</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/453039ed-43e3-405c-bb2f-d2739eac65c0">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/453039ed-43e3-405c-bb2f-d2739eac65c0</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; The Carbon Cycle &gt; Elaborate with STEM &gt; STEM Project Starters page 1 &gt; Project: Carbon Dating</p>
LAFS.68.RST.1.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	<p>Combining and Separating</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Physical Science &gt; The Structure of Matter &gt; Combining and Separating &gt; Elaborate with STEM &gt; STEM in Action: Careers and Combining and Separating Mixtures</p>
LAFS.68.RST.2.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 68 texts and topics.	<p>Types of Galaxies</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/c953fd97-5915-4902-a4d4-b48bd01b4864">https://app.discoveryeducation.com/player/view/assetGuid/c953fd97-5915-4902-a4d4-b48bd01b4864</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; Our Place in the Universe &gt; Types of Galaxies &gt; Explore &gt; Core Interactive Text page 3 &gt; Reading Passage: Galaxies</p>
LAFS.68.RST.2.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.	<p>Combining and Separating</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/3a96fc01-a9fe-4a5e-9802-94b63b9e6988">https://app.discoveryeducation.com/player/view/assetGuid/3a96fc01-a9fe-4a5e-9802-94b63b9e6988</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Physical Science &gt; The Structure of Matter &gt; Combining and Separating &gt; Explore &gt; Explore More Resources &gt; Reading Passage: What Are Colloids?</p>
LAFS.68.RST.2.5	Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.	<p>Types of Galaxies</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/c953fd97-5915-4902-a4d4-b48bd01b4864">https://app.discoveryeducation.com/player/view/assetGuid/c953fd97-5915-4902-a4d4-b48bd01b4864</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; Our Place in the Universe &gt; Types of Galaxies &gt; Explore &gt; Core Interactive Text page 3 &gt; Reading Passage: Galaxies</p>
LAFS.68.RST.2.5	Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.	<p>Periodic Table</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342">https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Physical Science &gt; The Structure of Matter &gt; Periodic Table &gt; Explore &gt; Explore More Resources &gt; Reading Passage: The Periodic Table: A Closer Look</p>
LAFS.68.RST.2.6	Analyze the authors purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.	<p>Types of Galaxies</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/c953fd97-5915-4902-a4d4-b48bd01b4864">https://app.discoveryeducation.com/player/view/assetGuid/c953fd97-5915-4902-a4d4-b48bd01b4864</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; Our Place in the Universe &gt; Types of Galaxies &gt; Explore &gt; Core Interactive Text page 3 &gt; Reading Passage: Galaxies</p>

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LAFS.68.RST.2.6	Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.	Cellular Respiration  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Cellular Respiration > Elaborate with STEM > STEM Project Starters page 2 > Project: Adding Up the Energy > Reading Passage: The Process of Respiration	<a href="https://app.discoveryeducation.com/player/view/assetGuid/18678798-732c-4909-835e-86dbb1955d49">https://app.discoveryeducation.com/player/view/assetGuid/18678798-732c-4909-835e-86dbb1955d49</a>
LAFS.68.RST.2.6	Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Explore > Explore More Resources > Reading Passage: Pizza Chemistry	<a href="https://app.discoveryeducation.com/player/view/assetGuid/9278a183-c86c-45df-85dc-4de41b165663">https://app.discoveryeducation.com/player/view/assetGuid/9278a183-c86c-45df-85dc-4de41b165663</a>
LAFS.68.RST.3.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).	Characteristics of Stars  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Characteristics of Stars > Explore > Core Interactive Text page 4 > Reading Passage: The Sun and Other Stars	<a href="https://app.discoveryeducation.com/player/view/assetGuid/ec0a4e86-5d7b-4dd7-99a6-377387d6bd55">https://app.discoveryeducation.com/player/view/assetGuid/ec0a4e86-5d7b-4dd7-99a6-377387d6bd55</a>
LAFS.68.RST.3.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Explore > Explore More Resources > Reading Passage: The Periodic Table: A Closer Look	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342">https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342</a>
LAFS.68.RST.3.8	Distinguish among facts, reasoned judgment based on research findings, and speculation in a text.	Future of Space Exploration  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > The Solar System > Future of Space Exploration > Explore > Explore More Resources > Reading Passage: Friction and the Fall of the Shuttle Columbia	<a href="https://app.discoveryeducation.com/player/view/assetGuid/d75bd681-63ce-4376-b54a-dee8dd54674d">https://app.discoveryeducation.com/player/view/assetGuid/d75bd681-63ce-4376-b54a-dee8dd54674d</a>
LAFS.68.RST.3.8	Distinguish among facts, reasoned judgment based on research findings, and speculation in a text.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Explore > Explore More Resources > Reading Passage: The Periodic Table: A Closer Look	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342">https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342</a>
LAFS.68.RST.3.9	Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.	Life Cycle of a Star  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Life Cycle of a Star > Elaborate with STEM > STEM Project Starters page 2 > Project: Black Holes	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/06d62215-c632-4b06-82d8-81e9e3b0d93c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/dade5701-28a7-416e-b732-f828411fb682">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/06d62215-c632-4b06-82d8-81e9e3b0d93c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/dade5701-28a7-416e-b732-f828411fb682</a>
LAFS.68.RST.3.9	Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle > Elaborate with STEM > STEM in Action: Finding Fossil Fuels	<a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/abfe4b49-285d-414c-a21b-418c19c6946d">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/abfe4b49-285d-414c-a21b-418c19c6946d</a>

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LAFS.68.RST.3.9	Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.	Molecules  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Molecules > Elaborate with STEM > STEM in Action: Careers and Molecules	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/e2a6d46d-986f-4b60-993f-f65a915ca7d2/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/e2a6d46d-986f-4b60-993f-f65a915ca7d2/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
LAFS.68.RST.4.10	By the end of grade 8, read and comprehend science/technical texts in the grades 6–8 text complexity band independently and proficiently.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Explore > Explore More Resources > Reading Passage: Pizza Chemistry	<a href="https://app.discoveryeducation.com/player/view/assetGuid/9278a183-c86c-45df-85dc-4de41b165663">https://app.discoveryeducation.com/player/view/assetGuid/9278a183-c86c-45df-85dc-4de41b165663</a>
LAFS.68.WHST.1.1	Write arguments focused on discipline-specific content. Introduce claim(s) about a topic or issue, acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically. Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence. Establish and maintain a formal style. Provide a concluding statement or section that follows from and supports the argument presented.	Ancient Astronomy  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Ancient Astronomy > Explore > Core Interactive Text page 2 > Activity: Heliocentric Solar System	<a href="https://app.discoveryeducation.com/player/view/assetGuid/f0cb37cf-9ed8-4b5d-8799-efa829d91f0a">https://app.discoveryeducation.com/player/view/assetGuid/f0cb37cf-9ed8-4b5d-8799-efa829d91f0a</a>
LAFS.68.WHST.1.1	a. Introduce claim(s) about a topic or issue, acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Explain	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950</a>
LAFS.68.WHST.1.1	b. Support claim(s) with logical reasoning and relevant, accurate data and evidence that demonstrate an understanding of the topic or text, using credible sources.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Explain	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950</a>
LAFS.68.WHST.1.1	c. Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Explain	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950</a>
LAFS.68.WHST.1.1	d. Establish and maintain a formal style.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Explain	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950</a>
LAFS.68.WHST.1.1	e. Provide a concluding statement or section that follows from and supports the argument presented.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Explain	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/0df56444-5400-41eb-a6ce-de52b7efb950</a>

**2016-2017 STATE OF FLORIDA INSTRUCTIONAL MATERIALS ADOPTION  
STANDARDS ALIGNMENT  
COURSE STANDARDS/BENCHMARKS (Form IM7)**

BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)	
LAFS.68.WHST.1.1	Write arguments focused on <i>discipline-specific content</i> .	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Elaborate with STEM > STEM in Action: Medical <b>Materials</b>	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
LAFS.68.WHST.1.2	Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.	Structure of the Universe  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Structure of the Universe > Elaborate with STEM > STEM Project Starters page 1 > Project: The Hubble Telescope	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/00dd0ef3-1083-449e-aca1-8f51504d530e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/d0737ac3-4ad8-43de-8979-13278edd40d5">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/00dd0ef3-1083-449e-aca1-8f51504d530e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/d0737ac3-4ad8-43de-8979-13278edd40d5</a>
LAFS.68.WHST.1.2	Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.	Energy in Ecosystems  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Energy in Ecosystems > Elaborate with STEM > STEM Project Starters page 2 > <b>Project: Energy in the Everglades</b>	<a href="https://app.discoveryeducation.com/learn/techbook/units/f056374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0f6a396d-2a9e-4cff-9909-ebec559a72af">https://app.discoveryeducation.com/learn/techbook/units/f056374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0f6a396d-2a9e-4cff-9909-ebec559a72af</a>
LAFS.68.WHST.1.2	a. Introduce a topic clearly, previewing what is to follow; organize ideas, concepts, and information into broader categories as appropriate to achieving purpose; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starter: Engineering Materials and Products	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6</a>
LAFS.68.WHST.1.2	b. Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starter: Engineering Materials and Products	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6</a>
LAFS.68.WHST.1.2	c. Use appropriate and varied transitions to create cohesion and clarify the relationships among ideas and concepts.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starter: Engineering Materials and Products	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6</a>
LAFS.68.WHST.1.2	d. Use precise language and domain-specific vocabulary to inform about or explain the topic.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starter: Engineering Materials and Products	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6</a>
LAFS.68.WHST.1.2	e. Establish and maintain a formal style and objective tone.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starter: Engineering Materials and Products	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6</a>

2016-2017 STATE OF FLORIDA INSTRUCTIONAL MATERIALS ADOPTION  
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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)	
LAFS.68.WHST.1.2	f. Provide a concluding statement or section that follows from and supports the information or explanation presented.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starter: Engineering Materials and Products	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6</a>
LAFS.68.WHST.1.2	Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starter: Engineering Materials and Products	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/232DF106-0A84-4B67-81E6-ACB2ED9136E6</a>
LAFS.68.WHST.2.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	Energy in Ecosystems  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Energy in Ecosystems > Elaborate with STEM > STEM Project Starters page 2 > Project: Energy in the Everglades	<a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0f6a396d-2a9e-4cff-9909-ebec559a72af">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0f6a396d-2a9e-4cff-9909-ebec559a72af</a>
LAFS.68.WHST.2.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Elaborate with STEM > STEM in Action: Medical Materials	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
LAFS.68.WHST.2.5	With some guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose and audience have been addressed.	Energy in Ecosystems  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Energy in Ecosystems > Elaborate with STEM > STEM Project Starters page 2 > Project: Energy in the Everglades	<a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0f6a396d-2a9e-4cff-9909-ebec559a72af">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0f6a396d-2a9e-4cff-9909-ebec559a72af</a>
LAFS.68.WHST.2.5	With some guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose and audience have been addressed.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM in Action: A Life of Chemistry: Female Chemists	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
LAFS.68.WHST.2.6	Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently.	The Outer Planets  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > The Solar System > The Outer Planets > Elaborate with STEM > STEM Project Starters page 3 > Project: Inside a Gas Giant	<a href="https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/2cf43d27-147a-4b09-94c3-025f38b30dfe/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/82a37559-9ba3-46ce-9349-e493b780b1a7">https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/2cf43d27-147a-4b09-94c3-025f38b30dfe/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/82a37559-9ba3-46ce-9349-e493b780b1a7</a>
LAFS.68.WHST.2.6	Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle > Elaborate with STEM > STEM Project Starters page 2 > Project: Measuring Your Carbon Footprint	<a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/36cdf4c7-4330-402b-b2dd-7aa84e015da6">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/36cdf4c7-4330-402b-b2dd-7aa84e015da6</a>

2016-2017 STATE OF FLORIDA INSTRUCTIONAL MATERIALS ADOPTION  
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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)	
LAFS.68.WHST.2.6	Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently.	Atomic Structure and Elements  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Atomic Structure and Elements > Explore > Explore More Resources > HOA: Atomic Theory Timeline	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3ea28b22-4f3c-432e-970c-a7a35ecedfa9">https://app.discoveryeducation.com/player/view/assetGuid/3ea28b22-4f3c-432e-970c-a7a35ecedfa9</a>
LAFS.68.WHST.2.6	Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Elaborate with STEM > STEM Project Starters page 1 > Project: Multiple Mixtures	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/a1215754-861e-42ba-9b2e-1357e05cd769">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/a1215754-861e-42ba-9b2e-1357e05cd769</a>
LAFS.68.WHST.3.7	Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.	Atomic Structure and Elements  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Atomic Structure and Elements > Explore > Explore More Resources > HOA: Atomic Theory Timeline	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3ea28b22-4f3c-432e-970c-a7a35ecedfa9">https://app.discoveryeducation.com/player/view/assetGuid/3ea28b22-4f3c-432e-970c-a7a35ecedfa9</a>
LAFS.68.WHST.3.7	Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Elaborate with STEM > STEM Project Starters page 2 > Project: Examining the Materials of Bridges	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/113aef2a-7ccd-44cb-a71a-9194ad353519">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/113aef2a-7ccd-44cb-a71a-9194ad353519</a>
LAFS.68.WHST.3.8	Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.	Ancient Astronomy  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Ancient Astronomy > Elaborate with STEM > STEM Project Starters page 3 > Project: Round Earth	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/33f79425-907a-4294-86c7-09e08656bf5c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c4d091a7-7f28-4f04-897d-2a62188e7e88">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/33f79425-907a-4294-86c7-09e08656bf5c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c4d091a7-7f28-4f04-897d-2a62188e7e88</a>
LAFS.68.WHST.3.8	Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.	Non-Planetary Objects  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > The Solar System > Non-Planetary Objects > Elaborate with STEM > STEM Project Starters page 1 > Project: Meteorite Strikes	<a href="https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/20f74bf9-9465-463c-bb7e-f27b46151351/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/d2d21256-8710-47ba-86a5-542b29a23a03">https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/20f74bf9-9465-463c-bb7e-f27b46151351/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/d2d21256-8710-47ba-86a5-542b29a23a03</a>

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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)
LAFS.68.WHST.3.8	Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Elaborate with STEM > STEM in Action: Medical Materials  <a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
LAFS.68.WHST.3.9	Draw evidence from informational texts to support analysis reflection, and research.	Ancient Astronomy  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Ancient Astronomy> Elaborate with STEM > STEM Project Starters page 3 > Project: Round Earth  <a href="https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/33f79425-907a-4294-86c7-09e08656bf5c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c4d091a7-7f28-4f04-897d-2a62188e7e88">https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/33f79425-907a-4294-86c7-09e08656bf5c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c4d091a7-7f28-4f04-897d-2a62188e7e88</a>
LAFS.68.WHST.3.9	Draw evidence from informational texts to support analysis reflection, and research.	Tides  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Earth and Moon > Tides > Elaborate with STEM > STEM Project Starters page 2 > Project: Inventions from Tide Pool Animals  <a href="https://app.discoveryeducation.com/learn/techbook/units/92594ff9-ebf0-48dd-a257-d8a8cba3487e/concepts/b5b795d3-27ca-43e9-b118-9d3ab68db94e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/3f1b5be5-989c-41e6-b53c-051c22a0e8f9">https://app.discoveryeducation.com/learn/techbook/units/92594ff9-ebf0-48dd-a257-d8a8cba3487e/concepts/b5b795d3-27ca-43e9-b118-9d3ab68db94e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/3f1b5be5-989c-41e6-b53c-051c22a0e8f9</a>
LAFS.68.WHST.3.9	Draw evidence from informational texts to support analysis reflection, and research.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle> Elaborate with STEM > STEM Project Starters page 2 > Project: Measuring Your Carbon Footprint  <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/36cdf4c7-4330-402b-b2dd-7aa84e015da6">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/36cdf4c7-4330-402b-b2dd-7aa84e015da6</a>
LAFS.68.WHST.3.9	Draw evidence from informational texts to support analysis reflection, and research.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Elaborate with STEM > STEM in Action: Medical Materials  <a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
LAFS.68.WHST.3.9	Draw evidence from informational texts to support analysis reflection, and research.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM in Action: A Life of Chemistry: Female Chemists  <a href="https://app.discoveryeducation.com/learn/techbook/units/ff166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/ff166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
LAFS.68.WHST.4.10	Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.	Modern Astronomy  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Modern Astronomy > Elaborate with STEM > STEM in Action: Reading the Stars  <a href="https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/326065b3-e362-4d33-8f31-56d6a59a2238/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/326065b3-e362-4d33-8f31-56d6a59a2238/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
LAFS.68.WHST.4.10	Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle> Elaborate with STEM > STEM Project Starters page 2 > Project: Measuring Your Carbon Footprint  <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/36cdf4c7-4330-402b-b2dd-7aa84e015da6">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/36cdf4c7-4330-402b-b2dd-7aa84e015da6</a>



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LAFS.68.WHST.4.10	Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.	Atomic Structure and Elements  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Atomic Structure and Elements > Elaborate with STEM > STEM Project Starters page 1 > Project: Using Electrons  <a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/2ab00b41-9353-4747-864d-837c5e1232bc/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/1aa55d84-9fc0-4cc6-97c9-b07629ffe003">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/2ab00b41-9353-4747-864d-837c5e1232bc/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/1aa55d84-9fc0-4cc6-97c9-b07629ffe003</a>
LAFS.8.SL.1.1	Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues, building on others' ideas and expressing their own clearly.	Atomic Structure and Elements  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Atomic Structure and Elements > Explore > Explore More Resources > HOA: Atomic Theory Timeline  <a href="https://app.discoveryeducation.com/player/view/assetGuid/3ea28b22-4f3c-432e-970c-a7a35ecedfa9">https://app.discoveryeducation.com/player/view/assetGuid/3ea28b22-4f3c-432e-970c-a7a35ecedfa9</a>
LAFS.8.SL.1.1	a. Come to discussions prepared, having read or researched material under study; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.	Chemical Reactions  Comprehensive Science 3 -Florida (2017) > Physical Science > Chemical Changes > Chemical Reactions > Elaborate with STEM > STEM Project Starter: The Chemistry of Fireworks  <a href="https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/E7E604AC-C123-4077-BA83-7583FA5C34F2">https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/E7E604AC-C123-4077-BA83-7583FA5C34F2</a>
LAFS.8.SL.1.1	b. Follow rules for collegial discussions and decision-making, track progress toward specific goals and deadlines, and define individual roles as needed.	Chemical Reactions  Comprehensive Science 3 -Florida (2017) > Physical Science > Chemical Changes > Chemical Reactions > Elaborate with STEM > STEM Project Starter: The Chemistry of Fireworks  <a href="https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/E7E604AC-C123-4077-BA83-7583FA5C34F2">https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/E7E604AC-C123-4077-BA83-7583FA5C34F2</a>
LAFS.8.SL.1.1	c. Pose questions that connect the ideas of several speakers and respond to others' questions and comments with relevant evidence, observations, and ideas.	Chemical Reactions  Comprehensive Science 3 -Florida (2017) > Physical Science > Chemical Changes > Chemical Reactions > Elaborate with STEM > STEM Project Starter: The Chemistry of Fireworks  <a href="https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/E7E604AC-C123-4077-BA83-7583FA5C34F2">https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/E7E604AC-C123-4077-BA83-7583FA5C34F2</a>
LAFS.8.SL.1.1	d. Acknowledge new information expressed by others, and, when warranted, qualify or justify their own views in light of the evidence presented.	Chemical Reactions  Comprehensive Science 3 -Florida (2017) > Physical Science > Chemical Changes > Chemical Reactions > Elaborate with STEM > STEM Project Starter: The Chemistry of Fireworks  <a href="https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/E7E604AC-C123-4077-BA83-7583FA5C34F2">https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/E7E604AC-C123-4077-BA83-7583FA5C34F2</a>
LAFS.8.SL.1.2	Analyze the purpose of information presented in diverse media and formats (e.g., visually, quantitatively, orally) and evaluate the motives (e.g., social, commercial, political) behind its presentation.	Nebular Gas Theory  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Nebular Gas Theory > Explore > Core Interactive Text page 3  <a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/311274bc-9dbd-457d-8142-d2191dde4774/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/6c7aaaaf-a630-4b83-8970-0cb759a8fa24">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/311274bc-9dbd-457d-8142-d2191dde4774/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/6c7aaaaf-a630-4b83-8970-0cb759a8fa24</a>
LAFS.8.SL.1.3	Delinate a speakers argument and specific claims, evaluating the soundness of the reasoning and relevance and sufficiency of the evidence and identifying when irrelevant evidence is introduced.	Theories About How the Universe Formed  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe> Theories About How the Universe Formed > Elaborate with STEM > STEM in Action  <a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/eac29eff-b464-4893-a15f-3bc21dad1b04/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/eac29eff-b464-4893-a15f-3bc21dad1b04/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>

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LAFS.8.SL.2.4	Present claims and findings, emphasizing salient points in a focused, coherent manner with relevant evidence, sound valid reasoning, and well-chosen details; use appropriate eye contact, adequate volume, and clear pronunciation.	Energy in Ecosystems  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Energy in Ecosystems > Elaborate with STEM > STEM in Action  <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/df93b018-3cdd-4db9-bd32-6f8774cb5fb5">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/df93b018-3cdd-4db9-bd32-6f8774cb5fb5</a>
LAFS.8.SL.2.5	Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Elaborate with STEM > STEM Project Starters page 2 > Project: Useful Processes  <a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/df93b018-3cdd-4db9-bd32-6f8774cb5fb5">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/df93b018-3cdd-4db9-bd32-6f8774cb5fb5</a>
MAFS.8.F.2.5	Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.	States of Matter  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > States of Matter > Explore > Core Interactive Text page 3 > Exploration: Changes of State  <a href="https://app.discoveryeducation.com/player/view/assetGuid/fda36299-1e8c-4efe-aa93-72f7c83931af">https://app.discoveryeducation.com/player/view/assetGuid/fda36299-1e8c-4efe-aa93-72f7c83931af</a>
MAFS.8.G.3.9	Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.	Mass  Comprehensive Science 3 - Florida (2017) > Matter and Change > Properties of Matter > Mass > Elaborate with STEM > STEM Project Starters page 2 > Project: Exploring Mass, Volume, and Density  <a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/67b98d19-c06b-4019-a6e9-81c7051bc58f">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/67b98d19-c06b-4019-a6e9-81c7051bc58f</a>
MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Characteristics of Stars  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Characteristics of Stars > Explore > Explore More Resources > Hands-On Activity: How Big Are the Stars?  <a href="https://app.discoveryeducation.com/player/view/assetGuid/3b6d2f78-8853-47ef-a5ce-8dd31b1a40e8">https://app.discoveryeducation.com/player/view/assetGuid/3b6d2f78-8853-47ef-a5ce-8dd31b1a40e8</a>
MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle > Elaborate with STEM > STEM Project Starters page 1 > Project: Carbon Dating  <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/453039ed-43e3-405c-bb2f-d2739eac65c0">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/453039ed-43e3-405c-bb2f-d2739eac65c0</a>
MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Energy in Ecosystems  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Energy in Ecosystems > Explore > Core Interactive Text page 3 > Hands-On Activity: The 10% Rule  <a href="https://app.discoveryeducation.com/player/view/assetGuid/dc85258e-36c2-4552-98aa-f3db139d4ab2">https://app.discoveryeducation.com/player/view/assetGuid/dc85258e-36c2-4552-98aa-f3db139d4ab2</a>
MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starters page 1 > Project: Interacting with the Periodic Table  <a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/dcaf6da1-1773-4445-999b-f027675babf6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/dcaf6da1-1773-4445-999b-f027675babf6</a>

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MAFS.K12.MP.1.1	Make sense of problems and persevere in solving them.	Molecules  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Molecules > Explore > Explore More Resources > Hands-On Activity: <u>Modeling Compounds</u> <a href="https://app.discoveryeducation.com/player/view/assetGuid/8299ae89-d58d-4ba1-b002-5f506d177a1d">https://app.discoveryeducation.com/player/view/assetGuid/8299ae89-d58d-4ba1-b002-5f506d177a1d</a>
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Types of Galaxies  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Types of Galaxies > Explore > Explore More Resources > Hands-On Activity: Modeling the Milky Way <a href="https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3">https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3</a>
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Structure of the Universe  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Structure of the Universe > Explore > Explore More Resources > Hands-On Activity: How Much Is a Billion? <a href="https://app.discoveryeducation.com/player/view/assetGuid/0155009f-d5c6-4eae-8f31-69ceae33078b">https://app.discoveryeducation.com/player/view/assetGuid/0155009f-d5c6-4eae-8f31-69ceae33078b</a>
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle> Elaborate with STEM > STEM Project Starters page 1 > <u>Project: Carbon Dating</u> <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/453039ed-43e3-405c-bb2f-d2739eac65c0">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/453039ed-43e3-405c-bb2f-d2739eac65c0</a>
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Energy in Ecosystems  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Energy in Ecosystems > Explore > Core Interactive Text page 3 > Hands-On Activity: <u>The 10% Rule</u> <a href="https://app.discoveryeducation.com/player/view/assetGuid/dc85258e-36c2-4552-98aa-f3db139d4ab2">https://app.discoveryeducation.com/player/view/assetGuid/dc85258e-36c2-4552-98aa-f3db139d4ab2</a>
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Molecules  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Molecules > Explore > Explore More Resources > Hands-On Activity: <u>Modeling Compounds</u> <a href="https://app.discoveryeducation.com/player/view/assetGuid/8299ae89-d58d-4ba1-b002-5f506d177a1d">https://app.discoveryeducation.com/player/view/assetGuid/8299ae89-d58d-4ba1-b002-5f506d177a1d</a>
MAFS.K12.MP.2.1	Reason abstractly and quantitatively.	Mass  Comprehensive Science 3 - Florida (2017) > Matter and Change > Properties of Matter > Mass > Elaborate with STEM > STEM Project Starters page 2 > Project: Exploring Mass, Volume, and Density <a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/67b98d19-c06b-4019-a6e9-81c7051bc58f">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/67b98d19-c06b-4019-a6e9-81c7051bc58f</a>
MAFS.K12.MP.3.1	Construct viable arguments and critique the reasoning of others.	Characteristics of Stars  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Characteristics of Stars > Elaborate with STEM > STEM in Action: <u>The Stuff of Stars</u> <a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>

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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)	
MAFS.K.12.MP.3.1	Construct viable arguments and critique the reasoning of others.	<p>Nebular Gas Theory</p> <p>Comprehensive Science 3 - Florida (2017) &gt; Earth &amp; Space Science &gt; Our Place in the Universe&gt; Nebular Gas Theory &gt; Elaborate with STEM &gt; STEM Project Starters page 1 &gt; Project: Water from the Solar Nebula</p>	<p><a href="https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/311274bc-9dbd-457d-8142-d2191dde4774/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/6e352e05-c17a-4d9e-bf31-6ff04c3fe080">https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/311274bc-9dbd-457d-8142-d2191dde4774/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/6e352e05-c17a-4d9e-bf31-6ff04c3fe080</a></p>
MAFS.K.12.MP.3.1	Construct viable arguments and critique the reasoning of others.	<p>Energy in Ecosystems</p> <p>Comprehensive Science 3 - Florida (2017) &gt; Energy and Life &gt; Energy and Ecosystems &gt; Elaborate with STEM &gt; STEM Project Starters page 1 &gt; Project: Energy Flow in Caves</p>	<p><a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/fb8cce56-82d2-4025-85c5-500699899f9ce">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/f02b1a1b-e34e-40cd-9d5b-70eb660a955e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/fb8cce56-82d2-4025-85c5-500699899f9ce</a></p>
MAFS.K.12.MP.4.1	Model with mathematics.	<p>Characteristics of Stars</p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; Our Place in the Universe &gt; Characteristics of Stars &gt; Explore &gt; Explore More Resources &gt; Hands-On Activity: How Big Are the Stars?</p>	<p><a href="https://app.discoveryeducation.com/player/view/assetGuid/3b6d2f78-8853-47ef-a5ce-8dd31b1a40e8">https://app.discoveryeducation.com/player/view/assetGuid/3b6d2f78-8853-47ef-a5ce-8dd31b1a40e8</a></p>
MAFS.K.12.MP.4.1	Model with mathematics.	<p>Photosynthesis</p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; Photosynthesis &gt; Elaborate with STEM &gt; STEM Project Starters page 4 &gt; Project: Why Do Corals Need Algae?</p>	<p><a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/1e08178c-afc1-4f8a-90ec-18743bc3b6c8">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/1e08178c-afc1-4f8a-90ec-18743bc3b6c8</a></p>
MAFS.K.12.MP.4.1	Model with mathematics.	<p>Cellular Respiration</p> <p>Comprehensive Science 3 - Florida (2017) &gt; Environment and Change &gt; Energy for Life &gt; Cellular Respiration &gt; Elaborate with STEM &gt; STEM Project Starters page 2 &gt; Project: Adding Up the Energy</p>	<p><a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/139951f4-15e3-4094-88d9-cd1605c5ae52/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0c4ecc1e-4543-459c-9a98-d80603573a23">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/139951f4-15e3-4094-88d9-cd1605c5ae52/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0c4ecc1e-4543-459c-9a98-d80603573a23</a></p>
MAFS.K.12.MP.4.1	Model with mathematics.	<p>Energy in Ecosystems</p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; Energy in Ecosystems &gt; Explore &gt; Core Interactive Text page 3 &gt; Hands-On Activity: The 10% Rule</p>	<p><a href="https://app.discoveryeducation.com/player/view/assetGuid/dc85258e-36c2-4552-98aa-f3db139d4ab2">https://app.discoveryeducation.com/player/view/assetGuid/dc85258e-36c2-4552-98aa-f3db139d4ab2</a></p>
MAFS.K.12.MP.4.1	Model with mathematics.	<p>Changes in States</p> <p>Comprehensive Science 3 - Florida (2017) &gt; Properties of Matter &gt; Changes in States &gt; Explore &gt; Explore More Resources &gt; Hands-On Activity: Changing Phases</p>	<p><a href="https://app.discoveryeducation.com/player/view/assetGuid/515ef992-54d6-44eb-8ab1-8a94a4988ada">https://app.discoveryeducation.com/player/view/assetGuid/515ef992-54d6-44eb-8ab1-8a94a4988ada</a></p>
MAFS.K.12.MP.5.1	Use appropriate tools strategically.	<p>Characteristics of Stars</p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; Our Place in the Universe &gt; Characteristics of Stars &gt; Elaborate with STEM &gt; STEM Project Starters page 2 &gt; Project: Color a Star</p>	<p><a href="https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/4289ac66-eb7e-45af-8552-948003da896f">https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/4289ac66-eb7e-45af-8552-948003da896f</a></p>

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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)	
MAFS.K12.MP.5.1	Use appropriate tools strategically.	Types of Galaxies  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Types of Galaxies > Explore > Explore More Resources > Hands-On Activity: Modeling the Milky Way	<a href="https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3">https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3</a>
MAFS.K12.MP.5.1	Use appropriate tools strategically.	Cellular Respiration  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Cellular Respiration > Explore > Explore More Resources > Hands-On Lab: The Case of the Flat Bread	<a href="https://app.discoveryeducation.com/player/view/assetGuid/efb84540-b6a6-4122-a4a4-2e07d5b74a76">https://app.discoveryeducation.com/player/view/assetGuid/efb84540-b6a6-4122-a4a4-2e07d5b74a76</a>
MAFS.K12.MP.5.1	Use appropriate tools strategically.	Density  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Density > Explore > Explore More Resources > HOL: Density Currents	<a href="https://app.discoveryeducation.com/player/view/assetGuid/cdb7c456-cde3-4ec0-b29c-e923e20e0ad8">https://app.discoveryeducation.com/player/view/assetGuid/cdb7c456-cde3-4ec0-b29c-e923e20e0ad8</a>
MAFS.K12.MP.5.1	Use appropriate tools strategically.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Explore > Core Interactive Text page 1 > Hands-On Activity: Exploring Physical Characteristics of Minerals	<a href="https://app.discoveryeducation.com/player/view/assetGuid/b4a7b866-61af-4982-ba74-cf0679c7335a">https://app.discoveryeducation.com/player/view/assetGuid/b4a7b866-61af-4982-ba74-cf0679c7335a</a>
MAFS.K12.MP.6.1	Attend to precision.	Types of Galaxies  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Types of Galaxies > Explore > Explore More Resources > Hands-On Activity: Modeling the Milky Way	<a href="https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3">https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3</a>
MAFS.K12.MP.6.1	Attend to precision.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle > Explore > Core Interactive Text page 2 > Carbon Emissions from Human Activities	<a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/dd87676b-5306-4fea-9eab-f23e98562f8e">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/7bd9f023-fd30-47cc-b9ae-d621c443042a/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/dd87676b-5306-4fea-9eab-f23e98562f8e</a>
MAFS.K12.MP.7.1	Look for and make use of structure.	Density  Comprehensive Science 3 - Florida (2017) > Matter and Change > Properties of Matter > Density > Elaborate with STEM > STEM in Action: Careers and Density	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/0d57933c-0974-481d-b595-43b3396fbc7/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/0d57933c-0974-481d-b595-43b3396fbc7/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
MAFS.K12.MP.7.1	Look for and make use of structure.	Density  Comprehensive Science 3 - Florida (2017) > Matter and Change > Properties of Matter > Density > Elaborate with STEM > STEM Project Starters page 3 > Project: Density Detective > Hands-On Activity: Using Density to Identify Materials	<a href="https://app.discoveryeducation.com/player/view/assetGuid/6694c924-f777-424a-8184-d784603c01df">https://app.discoveryeducation.com/player/view/assetGuid/6694c924-f777-424a-8184-d784603c01df</a>

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MAFS.K12.MP.7.1	Look for and make use of structure.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Elaborate with STEM > STEM Project Starters page 1 > Project: Measurements and Materials  <a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/fb671c74-51a8-4a2c-9058-aba46caf251d">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/fb671c74-51a8-4a2c-9058-aba46caf251d</a>
MAFS.K12.MP.8.1	Look for and express regularity in repeated reasoning.	Characteristics of Stars  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Characteristics of Stars > Elaborate with STEM > STEM in Action: The Stuff of Stars  <a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
MAFS.K12.MP.8.1	Look for and express regularity in repeated reasoning.	Photosynthesis  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Photosynthesis > Elaborate with STEM > STEM Project Starters page 4 > Project: Why Do Corals Need Algae?  <a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/1e08178c-afc1-4f8a-90ec-18743bc3b6c8">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/1e08178c-afc1-4f8a-90ec-18743bc3b6c8</a>
MAFS.K12.MP.8.1	Look for and express regularity in repeated reasoning.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starters page 1 > Project: Interacting with the Periodic Table  <a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/dcaf6da1-1773-4445-999b-f027675babf6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/dcaf6da1-1773-4445-999b-f027675babf6</a>
SC.8.E.5.1	Recognize that there are enormous distances between objects in space and apply our knowledge of light and space travel to understand this distance.	Types of Galaxies  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Types of Galaxies > Explore > Explore More Resources > Hands-On Activity: Modeling the Milky Way  <a href="https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3">https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3</a>
SC.8.E.5.1	Recognize that there are enormous distances between objects in space and apply our knowledge of light and space travel to understand this distance.	Structure of the Universe  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Structure of the Universe > Explore > Explore More Resources > Reading Passage: Telescopes: Light Years: So Far Away, So Long Ago  <a href="https://app.discoveryeducation.com/player/view/assetGuid/e44e03e3-2d5a-44af-8f60-9b691c6d5901">https://app.discoveryeducation.com/player/view/assetGuid/e44e03e3-2d5a-44af-8f60-9b691c6d5901</a>
SC.8.E.5.1	Recognize that there are enormous distances between objects in space and apply our knowledge of light and space travel to understand this distance.	Structure of the Universe  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Structure of the Universe > Explore > Core Interactive Text page 2  <a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/00dd0ef3-1083-449e-aca1-8f51504d530e/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/57170a98-640a-44e3-8b41-869b652a51ea">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/00dd0ef3-1083-449e-aca1-8f51504d530e/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/57170a98-640a-44e3-8b41-869b652a51ea</a>
SC.8.E.5.10	Assess how technology is essential to science for such purposes as access to outer space and other remote locations, sample collection, measurement, data collection and storage, computation, and communication of information.	Modern Astronomy  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Modern Astronomy > Elaborate with STEM > STEM in Action: Reading the Stars  <a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/326065b3-e362-4d33-8f31-56d6a59a2238/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/326065b3-e362-4d33-8f31-56d6a59a2238/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>

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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)	
SC.8.E.5.10	Assess how technology is essential to science for such purposes as access to outer space and other remote locations, sample collection, measurement, data collection and storage, computation, and communication of information.	Modern Astronomy  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Modern Astronomy > Explore > Explore More Resources > Reading Passage: Modern Astronomy	<a href="https://app.discoveryeducation.com/player/view/assetGuid/925ed56c-f1bd-4c17-b34d-8a6ad1e93a4">https://app.discoveryeducation.com/player/view/assetGuid/925ed56c-f1bd-4c17-b34d-8a6ad1e93a4</a>
SC.8.E.5.10	Assess how technology is essential to science for such purposes as access to outer space and other remote locations, sample collection, measurement, data collection and storage, computation, and communication of information.	Modern Astronomy  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Modern Astronomy > Elaborate with STEM > STEM Project Starters page 1 > Project: Engineering a Telescope	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/326065b3-e362-4d33-8f31-56d6a59a2238/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/87a9556f-56be-4000-9583-323f37ca9d38">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/326065b3-e362-4d33-8f31-56d6a59a2238/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/87a9556f-56be-4000-9583-323f37ca9d38</a>
SC.8.E.5.11	Identify and compare characteristics of the electromagnetic spectrum such as wavelength, frequency, use, and hazards and recognize its application to an understanding of planetary images and satellite photographs.	Future of Space Exploration  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > The Solar System > Future of Space Exploration > Explore > Explore More Resources > Exploration: Watching the Universe	<a href="https://app.discoveryeducation.com/player/view/assetGuid/16ecd1ab-516b-4c8f-bbcd-ae26cef61d26">https://app.discoveryeducation.com/player/view/assetGuid/16ecd1ab-516b-4c8f-bbcd-ae26cef61d26</a>
SC.8.E.5.11	Identify and compare characteristics of the electromagnetic spectrum such as wavelength, frequency, use, and hazards and recognize its application to an understanding of planetary images and satellite photographs.	Life Cycle of a Star  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Life Cycle of a Star > Elaborate with STEM > STEM in Action: Telescopes on Planes	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/06d62215-c632-4b06-82d8-81e9e3b0d93c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/06d62215-c632-4b06-82d8-81e9e3b0d93c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
SC.8.E.5.11	Identify and compare characteristics of the electromagnetic spectrum such as wavelength, frequency, use, and hazards and recognize its application to an understanding of planetary images and satellite photographs.	Characteristics of Stars  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Characteristics of Stars > Elaborate with STEM > STEM Project Starters page 2 > Project: Color a Star	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/4289ac66-eb7e-45af-8552-948003da896f">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/4289ac66-eb7e-45af-8552-948003da896f</a>
SC.8.E.5.12	Summarize the effects of space exploration on the economy and culture of Florida.	Future of Space Exploration  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > The Solar System > Future of Space Exploration > Elaborate with STEM > STEM Project Starter page 3 > Space Exploration & Florida	<a href="https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/a6e52413-17e3-4923-8957-5baa2ee8f4cc/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/F686EB5F-6669-41E2-ACD0-28E0D9F94FBB">https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/a6e52413-17e3-4923-8957-5baa2ee8f4cc/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/F686EB5F-6669-41E2-ACD0-28E0D9F94FBB</a>
SC.8.E.5.2	Recognize that the universe contains many billions of galaxies and that each galaxy contains many billions of stars.	Types of Galaxies  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Types of Galaxies > Explore > Core Interactive Text page 3 > Reading Passage: Galaxies	<a href="https://app.discoveryeducation.com/player/view/assetGuid/c953fd97-5915-4902-a4d4-b48bd01b4864">https://app.discoveryeducation.com/player/view/assetGuid/c953fd97-5915-4902-a4d4-b48bd01b4864</a>

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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)
SC.8.E.5.2	Recognize that the universe contains many billions of galaxies and that each galaxy contains many billions of stars.	Types of Galaxies  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Types of Galaxies > Explore > Explore More Resources > Hands-On Activity: Galaxy Classification  <a href="https://app.discoveryeducation.com/player/view/assetGuid/5cac5e13-b9a8-45de-9d5d-848cabed44b">https://app.discoveryeducation.com/player/view/assetGuid/5cac5e13-b9a8-45de-9d5d-848cabed44b</a>
SC.8.E.5.2	Recognize that the universe contains many billions of galaxies and that each galaxy contains many billions of stars.	Types of Galaxies  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Types of Galaxies > Explore > Core Interactive Text page 1  <a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/9a4256f5-adfa-4cbc-bc2f-c6e6d85a2800/tabs/759da9a7-2edf-4cde-9515-7081ca990764">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/9a4256f5-adfa-4cbc-bc2f-c6e6d85a2800/tabs/759da9a7-2edf-4cde-9515-7081ca990764</a>
SC.8.E.5.3	Distinguish the hierarchical relationships between planets and other astronomical bodies relative to solar system, galaxy, and universe, including distance, size, and composition.	Types of Galaxies  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Types of Galaxies > Explore > Explore More Resources > Exploration: How Big Is Big?  <a href="https://app.discoveryeducation.com/player/view/assetGuid/e916e3cf-dc1a-4209-8e8c-5dd863ceb084">https://app.discoveryeducation.com/player/view/assetGuid/e916e3cf-dc1a-4209-8e8c-5dd863ceb084</a>
SC.8.E.5.3	Distinguish the hierarchical relationships between planets and other astronomical bodies relative to solar system, galaxy, and universe, including distance, size, and composition.	Types of Galaxies  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Types of Galaxies > Explore > Explore More Resources > Hands-On Activity: Modeling the Milky Way  <a href="https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3">https://app.discoveryeducation.com/player/view/assetGuid/c98daa82-886e-4736-8b16-9724818fb7d3</a>
SC.8.E.5.3	Distinguish the hierarchical relationships between planets and other astronomical bodies relative to solar system, galaxy, and universe, including distance, size, and composition.	The Inner Planets  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > The Solar System > The Inner Planets > Explore > Core Interactive Text page 1  <a href="https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/f90c580e-a0eb-4619-84a8-d025ac461d9f/tabs/759da9a7-2edf-4cde-9515-7081ca990764">https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/f90c580e-a0eb-4619-84a8-d025ac461d9f/tabs/759da9a7-2edf-4cde-9515-7081ca990764</a>
SC.8.E.5.4	Explore the Law of Universal Gravitation by explaining the role that gravity plays in the formation of planets, stars, and solar systems and in determining their motions.	Nebular Gas Theory  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Nebular Gas Theory > Explore > Explore More Resources > Reading Passage: The Sun, the Solar System, and Nebular Gas Clouds  <a href="https://app.discoveryeducation.com/player/view/assetGuid/3d8598d5-10ff-472a-8772-86c187d8b120">https://app.discoveryeducation.com/player/view/assetGuid/3d8598d5-10ff-472a-8772-86c187d8b120</a>
SC.8.E.5.4	Explore the Law of Universal Gravitation by explaining the role that gravity plays in the formation of planets, stars, and solar systems and in determining their motions.	Nebular Gas Theory  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Nebular Gas Theory > Explore > Core Interactive Text page 1  <a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/311274bc-9dbd-457d-8142-d2191dde4774/tabs/759da9a7-2edf-4cde-9515-7081ca990764">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/311274bc-9dbd-457d-8142-d2191dde4774/tabs/759da9a7-2edf-4cde-9515-7081ca990764</a>
SC.8.E.5.4	Explore the Law of Universal Gravitation by explaining the role that gravity plays in the formation of planets, stars, and solar systems and in determining their motions.	Nebular Gas Theory  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Nebular Gas Theory > Explore > Explore More Resources > Reading Passage: Star and Planet Formation  <a href="https://app.discoveryeducation.com/player/view/assetGuid/62b5db9e-e9a7-415e-bd69-5f2fad01d733">https://app.discoveryeducation.com/player/view/assetGuid/62b5db9e-e9a7-415e-bd69-5f2fad01d733</a>



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SC.8.E.5.5	Describe and classify specific physical properties of stars: apparent magnitude (brightness), temperature (color), size, and luminosity (absolute brightness).	<p>Characteristics of Stars</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/3b6d2f78-8853-47ef-a5ce-8dd31b1a40e8">https://app.discoveryeducation.com/player/view/assetGuid/3b6d2f78-8853-47ef-a5ce-8dd31b1a40e8</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; Our Place in the Universe &gt; Characteristics of Stars &gt; Explore &gt; Explore More Resources &gt; Hands-On Activity: How Big Are the Stars?</p>
SC.8.E.5.5	Describe and classify specific physical properties of stars: apparent magnitude (brightness), temperature (color), size, and luminosity (absolute brightness).	<p>Characteristics of Stars</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/0567a5ca-5238-40f6-86be-a77c8593fb7d">https://app.discoveryeducation.com/player/view/assetGuid/0567a5ca-5238-40f6-86be-a77c8593fb7d</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; Our Place in the Universe &gt; Characteristics of Stars &gt; Explore &gt; Explore More Resources &gt; Hands-On Activity: Locate the Sun on the H-R Diagram</p>
SC.8.E.5.5	Describe and classify specific physical properties of stars: apparent magnitude (brightness), temperature (color), size, and luminosity (absolute brightness).	<p>Characteristics of Stars</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/f053a2b6-ba3b-46f8-b0a7-b44d7079d396">https://app.discoveryeducation.com/player/view/assetGuid/f053a2b6-ba3b-46f8-b0a7-b44d7079d396</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; Our Place in the Universe &gt; Characteristics of Stars &gt; Explore &gt; Explore More Resources &gt; Exploration: A Star's Life</p>
SC.8.E.5.6	Create models of solar properties including: rotation, structure of the Sun, convection, sunspots, solar flares, and prominences.	<p>Sun</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/9ddd386b-2b85-4373-bfdf-d2ce08d52f62/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/8bb3335c-6db5-4e63-999c-3882273f6cb9">https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/9ddd386b-2b85-4373-bfdf-d2ce08d52f62/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/8bb3335c-6db5-4e63-999c-3882273f6cb9</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Earth &amp; Space Science &gt; The Solar System&gt; Sun &gt; Explore &gt; Core Interactive Text page 3 &gt; Solar Events</p>
SC.8.E.5.6	Create models of solar properties including: rotation, structure of the Sun, convection, sunspots, solar flares, and prominences.	<p>Sun</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/9ddd386b-2b85-4373-bfdf-d2ce08d52f62/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/104b9a64-875d-4554-bdd2-5d31b017b009">https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/9ddd386b-2b85-4373-bfdf-d2ce08d52f62/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/104b9a64-875d-4554-bdd2-5d31b017b009</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; The Solar System&gt; Sun &gt; Elaborate with STEM &gt; STEM Project Starter page 3 &gt; Design a Model of the Sun</p>
SC.8.E.5.7	Compare and contrast the properties of objects in the Solar System including the Sun, planets, and moons to those of Earth, such as gravitational force, distance from the Sun, speed, movement, temperature, and atmospheric conditions.	<p>The Outer Planets</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/2cf43d27-147a-4b09-94c3-025f38b30dfe/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/82a37559-9ba3-46ce-9349-e493b780b1a7">https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/2cf43d27-147a-4b09-94c3-025f38b30dfe/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/82a37559-9ba3-46ce-9349-e493b780b1a7</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Earth &amp; Space Science &gt; The Solar System &gt; The Outer Planets &gt; Elaborate with STEM &gt; STEM Project Starters page 3 &gt; Project: Inside a Gas Giant</p>
SC.8.E.5.7	Compare and contrast the properties of objects in the Solar System including the Sun, planets, and moons to those of Earth, such as gravitational force, distance from the Sun, speed, movement, temperature, and atmospheric conditions.	<p>The Inner Planets</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/1dff719f-51de-4e66-9e7c-55537d00fd3e">https://app.discoveryeducation.com/player/view/assetGuid/1dff719f-51de-4e66-9e7c-55537d00fd3e</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Earth &amp; Space Science &gt; The Solar System &gt; The Inner Planets &gt; Explore &gt; CIT page 2 &gt; Hands-On Activity: Features of the Inner Planets</p>
SC.8.E.5.7	Compare and contrast the properties of objects in the Solar System including the Sun, planets, and moons to those of Earth, such as gravitational force, distance from the Sun, speed, movement, temperature, and atmospheric conditions.	<p>Non-Planetary Objects</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/20f74bf9-9465-463c-bb7e-f27b46151351/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/2edb945c-3172-439e-bd50-f07b587067a7">https://app.discoveryeducation.com/learn/techbook/units/8fa4903f-3e14-4cd2-87ad-406318c4b131/concepts/20f74bf9-9465-463c-bb7e-f27b46151351/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/2edb945c-3172-439e-bd50-f07b587067a7</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Earth &amp; Space Science &gt; The Solar System &gt; Non-Planetary Objects &gt; Explore &gt; Core Interactive Text page 3 &gt; Name That Object</p>

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SC.8.E.5.8	Compare various historical models of the Solar System, including geocentric and heliocentric.	Ancient Astronomy  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Ancient Astronomy> Explore > Explore More Resources > <u>Exploration: Pioneers of Astronomy</u>	<a href="https://app.discoveryeducation.com/player/view/assetGuid/e307a75a-520a-4e8d-b32b-be24ab39677b">https://app.discoveryeducation.com/player/view/assetGuid/e307a75a-520a-4e8d-b32b-be24ab39677b</a>
SC.8.E.5.8	Compare various historical models of the Solar System, including geocentric and heliocentric.	Ancient Astronomy  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Ancient Astronomy> Explore > Core Interactive Text page 2	<a href="https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/33f79425-907a-4294-86c7-09e08656bf5c/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/8da319a1-5885-4c8c-906f-7af8d3cace4b">https://app.discoveryeducation.com/learn/techbook/units/ff5eeda3c-33c6-4a34-947f-65007036b19a/concepts/33f79425-907a-4294-86c7-09e08656bf5c/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/8da319a1-5885-4c8c-906f-7af8d3cace4b</a>
SC.8.E.5.8	Compare various historical models of the Solar System, including geocentric and heliocentric.	Ancient Astronomy  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Ancient Astronomy> Explore > Core Interactive Text page 2 > <u>Activity: Heliocentric Solar System</u>	<a href="https://app.discoveryeducation.com/player/view/assetGuid/f0cb37cf-9ed8-4b5d-8799-efa829d91f0a">https://app.discoveryeducation.com/player/view/assetGuid/f0cb37cf-9ed8-4b5d-8799-efa829d91f0a</a>
SC.8.E.5.9	Explain the impact of objects in space on each other including: the Sun on the Earth including seasons and gravitational attraction the Moon on the Earth, including phases, tides, and eclipses, and the relative position of each body.	Rotation, Orbits, and the Seasons  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Earth and Moon > Rotation, Orbits, and the Seasons > Explore > Explore More Resources > Hands-On Activity: Earth's Axis and Angle of Sunlight	<a href="https://app.discoveryeducation.com/player/view/assetGuid/a3aaed85-6871-43e0-a533-e9008d8c619a">https://app.discoveryeducation.com/player/view/assetGuid/a3aaed85-6871-43e0-a533-e9008d8c619a</a>
SC.8.E.5.9	Explain the impact of objects in space on each other including: the Sun on the Earth including seasons and gravitational attraction the Moon on the Earth, including phases, tides, and eclipses, and the relative position of each body.	Tides  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Earth and Moon > Tides > Explore > Explore More Resources > Exploration: Tides	<a href="https://app.discoveryeducation.com/player/view/assetGuid/baf398e1-f2cf-4542-8e94-d45e1c654da5">https://app.discoveryeducation.com/player/view/assetGuid/baf398e1-f2cf-4542-8e94-d45e1c654da5</a>
SC.8.E.5.9	Explain the impact of objects in space on each other including: the Sun on the Earth including seasons and gravitational attraction the Moon on the Earth, including phases, tides, and eclipses, and the relative position of each body.	Tides  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Earth and Moon > Tides > Explore > Explore More Resources > Hands-On Activity: Solar and Lunar Eclipses	<a href="https://app.discoveryeducation.com/player/view/assetGuid/441c097e-d86f-4a2a-b770-53e54aae9">https://app.discoveryeducation.com/player/view/assetGuid/441c097e-d86f-4a2a-b770-53e54aae9</a>
SC.8.L.18.1	Describe and investigate the process of photosynthesis, such as the roles of light, carbon dioxide, water and chlorophyll; production of food; release of oxygen.	Photosynthesis  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Photosynthesis > Elaborate with STEM > STEM Project Starters page 3 > Project: <u>Reactions of Photosynthesis</u>	<a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/7390dba9-3a05-41f1-949e-05257b6c0c51">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/7390dba9-3a05-41f1-949e-05257b6c0c51</a>
SC.8.L.18.1	Describe and investigate the process of photosynthesis, such as the roles of light, carbon dioxide, water and chlorophyll; production of food; release of oxygen.	Photosynthesis  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Photosynthesis > Explore > Core Interactive Text page 1 > Reading Passage: <u>Why Do Plants Need Sunlight?</u>	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3257f656-b74e-4ae2-990e-9515bee8c9f8">https://app.discoveryeducation.com/player/view/assetGuid/3257f656-b74e-4ae2-990e-9515bee8c9f8</a>

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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)
SC.8.L.18.1	Describe and investigate the process of photosynthesis, such as the roles of light, carbon dioxide, water and chlorophyll; production of food; release of oxygen.	<p>Photosynthesis</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/c522d170-3b8a-416c-917e-9030cb1c84b4">https://app.discoveryeducation.com/player/view/assetGuid/c522d170-3b8a-416c-917e-9030cb1c84b4</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; Photosynthesis &gt; Explore &gt; Core Interactive Text page 1 &gt; Exploration: Seasons in the Cell</p>
SC.8.L.18.2	Describe and investigate how cellular respiration breaks down food to provide energy and releases carbon dioxide.	<p>Photosynthesis</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/7390dba9-3a05-41f1-949e-05257b6c0c51">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/7390dba9-3a05-41f1-949e-05257b6c0c51</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; Photosynthesis &gt; Elaborate with STEM &gt; STEM Project Starters page 3 &gt; Project: Reactions of Photosynthesis</p>
SC.8.L.18.2	Describe and investigate how cellular respiration breaks down food to provide energy and releases carbon dioxide.	<p>Cellular Respiration</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/ab6576be-2296-4518-b684-52b619b495cc">https://app.discoveryeducation.com/player/view/assetGuid/ab6576be-2296-4518-b684-52b619b495cc</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; Cellular Respiration &gt; Explore &gt; Core Interactive Text page 2 &gt; Exploration: Cellular Respiration</p>
SC.8.L.18.2	Describe and investigate how cellular respiration breaks down food to provide energy and releases carbon dioxide.	<p>Cellular Respiration</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/139951f4-15e3-4094-88d9-cd1605c5ae52/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0b5d86fe-223e-402b-8c92-439e5ba63f82">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/139951f4-15e3-4094-88d9-cd1605c5ae52/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/0b5d86fe-223e-402b-8c92-439e5ba63f82</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; Cellular Respiration &gt; Elaborate with STEM &gt; STEM in Action: Careers and Cellular Respiration</p>
SC.8.L.18.3	Construct a scientific model of the carbon cycle to show how matter and energy are continuously transferred within and between organisms and their physical environment.	<p>The Carbon Cycle</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/44536295-7055-488d-83be-36c0cc4e7476">https://app.discoveryeducation.com/player/view/assetGuid/44536295-7055-488d-83be-36c0cc4e7476</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; The Carbon Cycle &gt; Explore &gt; Core Interactive Text page 1 &gt; Hands-On Activity: Carbon Cycle</p>
SC.8.L.18.4	Cite evidence that living systems follow the Laws of Conservation of Mass and Energy.	<p>Energy in Ecosystems</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/dc85258e-36c2-4552-98aa-f3db139d4ab2">https://app.discoveryeducation.com/player/view/assetGuid/dc85258e-36c2-4552-98aa-f3db139d4ab2</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; Energy in Ecosystems &gt; Explore &gt; Core Interactive Text page 3 &gt; Hands-On Activity: The 10% Rule</p>
SC.8.N.1.1	Define a problem from the eighth grade curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.	<p>Theories About How the Universe Formed</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/54398556-7136-4a2c-8daf-bf7d077f02aa">https://app.discoveryeducation.com/player/view/assetGuid/54398556-7136-4a2c-8daf-bf7d077f02aa</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Solar System and Beyond &gt; Our Place in the Universe &gt; Theories About How the Universe Formed &gt; Explore &gt; Explore More Resources &gt; Hands-On Activity: Expanding Universe</p>

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SC.8.N.1.1	Define a problem from the eighth grade curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.	Rotation, Orbits, and the Seasons  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Earth and Moon > Rotation, Orbits, and the Seasons > Explore > Explore More Resources > Hands-On Activity: Earth's Axis and Angle of Sunlight	<a href="https://app.discoveryeducation.com/player/view/assetGuid/a3aaed85-6871-43e0-ac533-e9008d8c619a">https://app.discoveryeducation.com/player/view/assetGuid/a3aaed85-6871-43e0-ac533-e9008d8c619a</a>
SC.8.N.1.1	Define a problem from the eighth grade curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.	Tides  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Earth and Moon > Tides > Explore > Explore More Resources > Hands-On Activity: Trash Tide	<a href="https://app.discoveryeducation.com/player/view/assetGuid/a1de1c4b-aa79-43b0-bc67-d204c5bdec52">https://app.discoveryeducation.com/player/view/assetGuid/a1de1c4b-aa79-43b0-bc67-d204c5bdec52</a>
SC.8.N.1.1	Define a problem from the eighth grade curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.	The Carbon Cycle  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > The Carbon Cycle > Explore > Explore More Resources > Hands-On Activity: Ocean Acidity and Carbonate Shells	<a href="https://app.discoveryeducation.com/player/view/assetGuid/a8ea0d24-3180-4258-b0b7-950c6b8ef4b1">https://app.discoveryeducation.com/player/view/assetGuid/a8ea0d24-3180-4258-b0b7-950c6b8ef4b1</a>
SC.8.N.1.1	Define a problem from the eighth grade curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.	Changes in States  Comprehensive Science 3 - Florida (2017) > Properties of Matter > Changes in States > Explore > Explore More Resources > Hands-On Activity: Changing Phases	<a href="https://app.discoveryeducation.com/player/view/assetGuid/515ef992-54d6-44eb-8ab1-8a94a4988ada">https://app.discoveryeducation.com/player/view/assetGuid/515ef992-54d6-44eb-8ab1-8a94a4988ada</a>

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SC.8.N.1.1	Define a problem from the eighth grade curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Elaborate with STEM > STEM in Action: Careers and Combining and Separating Mixtures	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
SC.8.N.1.1	Define a problem from the eighth grade curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.	Mass  Comprehensive Science 3 - Florida (2017) > Matter and Change > Properties of Matter > Mass > Elaborate with STEM > STEM Project Starters page 3 > Project: Balancing Act	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/a5b12ff4-4c32-472a-84b8-675ebb5ee2de">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/a5b12ff4-4c32-472a-84b8-675ebb5ee2de</a>
SC.8.N.1.2	Design and conduct a study using repeated trials and replication.	Density  Comprehensive Science 3 - Florida (2017) > Matter and Change > Properties of Matter > Density > Explore > Explore More Resources > HOL: Testing Density	<a href="https://app.discoveryeducation.com/player/view/assetGuid/eac2a50c-0f8e-49bc-9b6d-857da2d3848e">https://app.discoveryeducation.com/player/view/assetGuid/eac2a50c-0f8e-49bc-9b6d-857da2d3848e</a>
SC.8.N.1.3	Use phrases such as "results support" or "fail to support" in science, understanding that science does not offer conclusive 'proof' of a knowledge claim.	Theories About How the Universe Formed  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Theories About How the Universe Formed > Explore > Explore More Resources > Hands-On Activity: Expanding Universe	<a href="https://app.discoveryeducation.com/player/view/assetGuid/54398556-7136-4a2c-8daf-bf7d077f02aa">https://app.discoveryeducation.com/player/view/assetGuid/54398556-7136-4a2c-8daf-bf7d077f02aa</a>
SC.8.N.1.3	Use phrases such as "results support" or "fail to support" in science, understanding that science does not offer conclusive 'proof' of a knowledge claim.	Photosynthesis  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Photosynthesis > Explore > Explore More Resources > Hands-On Activity: Starch and Photosynthesis	<a href="https://app.discoveryeducation.com/player/view/assetGuid/0e48de5e-7cf8-40de-92a9-24d8506fbc27">https://app.discoveryeducation.com/player/view/assetGuid/0e48de5e-7cf8-40de-92a9-24d8506fbc27</a>
SC.8.N.1.3	Use phrases such as "results support" or "fail to support" in science, understanding that science does not offer conclusive 'proof' of a knowledge claim.	Mass  Comprehensive Science 3 - Florida (2017) > Matter and Change > Properties of Matter > Mass > Elaborate with STEM > STEM Project Starters page 3 > Project: Balancing Act	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/a5b12ff4-4c32-472a-84b8-675ebb5ee2de">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/a5b12ff4-4c32-472a-84b8-675ebb5ee2de</a>

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SC.8.N.1.4	Explain how hypotheses are valuable if they lead to further investigations, even if they turn out not to be supported by the data.	Ancient Astronomy  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Ancient Astronomy> Explore > Explore More Resources > <u>Exploration: Pioneers of Astronomy</u>	<a href="https://app.discoveryeducation.com/player/view/assetGuid/e307a75a-520a-4e8d-b32b-be24ab39677b">https://app.discoveryeducation.com/player/view/assetGuid/e307a75a-520a-4e8d-b32b-be24ab39677b</a>
SC.8.N.1.4	Explain how hypotheses are valuable if they lead to further investigations, even if they turn out not to be supported by the data.	Atomic Structure and Elements  Comprehensive Science 3 - Florida (2017) > Matter and Change >The Structure of Matter > Atomic Structure and Elements > Explore > CIT page 2	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/2ab00b41-9353-4747-864d-837c5e1232bc/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/0caf1678-1dcb-454e-8112-c42a38a12c3f">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/2ab00b41-9353-4747-864d-837c5e1232bc/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/0caf1678-1dcb-454e-8112-c42a38a12c3f</a>
SC.8.N.1.4	Explain how hypotheses are valuable if they lead to further investigations, even if they turn out not to be supported by the data.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Explore > Explore More Resources > Reading Passage: The Periodic Table: A Closer Look	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342">https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342</a>
SC.8.N.1.4	Explain how hypotheses are valuable if they lead to further investigations, even if they turn out not to be supported by the data.	Mass  Comprehensive Science 3 - Florida (2017) > Matter and Change > Properties of Matter > Mass > Explore > Explore More Resources > Reading Passage: Ups and Downs	<a href="https://app.discoveryeducation.com/player/view/assetGuid/0db87e0e-4cd3-43c2-b587-8edce4746214">https://app.discoveryeducation.com/player/view/assetGuid/0db87e0e-4cd3-43c2-b587-8edce4746214</a>
SC.8.N.1.5	Analyze the methods used to develop a scientific explanation as seen in different fields of science.	Structure of the Universe  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe> Structure of the Universe > Elaborate with STEM > STEM in Action: Theoretical Cosmologists and Mapping the Universe	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/00dd0ef3-1083-449e-aca1-8f51504d530e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c539c89e-8f29-4f05-b0bd-3edbb470cb2a">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/00dd0ef3-1083-449e-aca1-8f51504d530e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c539c89e-8f29-4f05-b0bd-3edbb470cb2a</a>
SC.8.N.1.5	Analyze the methods used to develop a scientific explanation as seen in different fields of science.	Characteristics of Stars  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Characteristics of Stars > Elaborate with STEM > STEM in Action: The Stuff of Stars	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/ed226b63-e0fa-454c-844f-9af19e762ec5/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
SC.8.N.1.5	Analyze the methods used to develop a scientific explanation as seen in different fields of science.	Photosynthesis  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Photosynthesis > Elaborate with STEM > STEM in Action: Careers and Photosynthesis	<a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c8edb420-4035-4feb-b5e5-3f457a32968a">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c8edb420-4035-4feb-b5e5-3f457a32968a</a>
SC.8.N.1.5	Analyze the methods used to develop a scientific explanation as seen in different fields of science.	Atomic Structure and Elements  Comprehensive Science 3 - Florida (2017) > Matter and Change >The Structure of Matter > Atomic Structure and Elements > Explore > Explore More Resources > RP: What is Everything Made of?	<a href="https://app.discoveryeducation.com/player/view/assetGuid/2e97c7bd-03f2-40cc-bf69-f08caa455b3c">https://app.discoveryeducation.com/player/view/assetGuid/2e97c7bd-03f2-40cc-bf69-f08caa455b3c</a>

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SC.8.N.1.5	Analyze the methods used to develop a scientific explanation as seen in different fields of science.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Explore > Explore More Resources > Reading Passage: The Periodic Table: A Closer Look	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342">https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342</a>
SC.8.N.1.6	Understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and models to make sense of the collected evidence.	Structure of the Universe  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe> Structure of the Universe > Elaborate with STEM > STEM in Action: Theoretical Cosmologists and Mapping the Universe	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/00dd0ef3-1083-449e-aca1-8f51504d530e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c539c89e-8f29-4f05-b0bd-3edbb470cb2a">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/00dd0ef3-1083-449e-aca1-8f51504d530e/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c539c89e-8f29-4f05-b0bd-3edbb470cb2a</a>
SC.8.N.1.6	Understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and models to make sense of the collected evidence.	Structure of the Universe  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Structure of the Universe > Explore > Explore More Resources > Reading Passage: Life, the Universe, and Everything	<a href="https://app.discoveryeducation.com/player/view/assetGuid/f5b6a72d-580e-4b12-92b6-ecd34271f5f6">https://app.discoveryeducation.com/player/view/assetGuid/f5b6a72d-580e-4b12-92b6-ecd34271f5f6</a>
SC.8.N.1.6	Understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and models to make sense of the collected evidence.	Photosynthesis  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Photosynthesis > Explore > Explore More Resources > Hands-On Activity: Starch and Photosynthesis	<a href="https://app.discoveryeducation.com/player/view/assetGuid/0e48de5e-7cf8-40de-92a9-24d8506fbc27">https://app.discoveryeducation.com/player/view/assetGuid/0e48de5e-7cf8-40de-92a9-24d8506fbc27</a>
SC.8.N.1.6	Understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and models to make sense of the collected evidence.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Explore > Explore More Resources > Reading Passage: The Periodic Table: A Closer Look	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342">https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342</a>
SC.8.N.1.6	Understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and models to make sense of the collected evidence.	Atomic Structure and Elements  Comprehensive Science 3 - Florida (2017) > Matter and Change >The Structure of Matter > Atomic Structure and Elements > Explore > Explore More Resources > RP: What is Everything Made of?	<a href="https://app.discoveryeducation.com/player/view/assetGuid/2e97c7bd-03f2-40cc-bf69-f08caa455b3c">https://app.discoveryeducation.com/player/view/assetGuid/2e97c7bd-03f2-40cc-bf69-f08caa455b3c</a>

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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)	
SC.8.N.2.1	Distinguish between scientific and pseudoscientific ideas.	Theories About How the Universe Formed  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Theories About How the Universe Formed > Explore > Core Interactive Text page 2 > Reading Passage: Understanding the Universe: A Big Bang or a Steady State?	<a href="https://app.discoveryeducation.com/player/view/assetGuid/4ec201e8-f505-4ad7-b48f-21a3a270d8ad">https://app.discoveryeducation.com/player/view/assetGuid/4ec201e8-f505-4ad7-b48f-21a3a270d8ad</a>
SC.8.N.2.1	Distinguish between scientific and pseudoscientific ideas.	Chemical Reactions  Comprehensive Science 3 -Florida (2017) > Matter and Change > Chemical Changes > Chemical Reactions > Explore > Explore More Resources > RP: The Father of Modern Chemistry	<a href="https://app.discoveryeducation.com/player/view/assetGuid/14e41cb6-3d6e-4aa0-9deb-d2651f1f3f6b">https://app.discoveryeducation.com/player/view/assetGuid/14e41cb6-3d6e-4aa0-9deb-d2651f1f3f6b</a>
SC.8.N.2.2	Discuss what characterizes science and its methods.	Structure of the Universe  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Structure of the Universe > Explore > Explore More Resources > Reading Passage: Life, the Universe, and Everything	<a href="https://app.discoveryeducation.com/player/view/assetGuid/f5b6a72d-580e-4b12-92b6-ecd34271f5f6">https://app.discoveryeducation.com/player/view/assetGuid/f5b6a72d-580e-4b12-92b6-ecd34271f5f6</a>
SC.8.N.2.2	Discuss what characterizes science and its methods.	Photosynthesis  Comprehensive Science 3 - Florida (2017) > Life Science > Energy and Life > Photosynthesis > Explore > Explore More Resources > Hands-On Activity: Starch and Photosynthesis	<a href="https://app.discoveryeducation.com/player/view/assetGuid/0e48de5e-7cf8-40de-92a9-24d8506fbc27">https://app.discoveryeducation.com/player/view/assetGuid/0e48de5e-7cf8-40de-92a9-24d8506fbc27</a>
SC.8.N.2.2	Discuss what characterizes science and its methods.	Chemical Reactions  Comprehensive Science 3 -Florida (2017) > Matter and Change > Chemical Changes > Chemical Reactions > Explore > Explore More Resources > RP: The Father of Modern Chemistry	<a href="https://app.discoveryeducation.com/player/view/assetGuid/14e41cb6-3d6e-4aa0-9deb-d2651f1f3f6b">https://app.discoveryeducation.com/player/view/assetGuid/14e41cb6-3d6e-4aa0-9deb-d2651f1f3f6b</a>
SC.8.N.2.2	Discuss what characterizes science and its methods.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Explore > Explore More Resources > Reading Passage: The Periodic Table: A Closer Look	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342">https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342</a>
SC.8.N.3.1	Select models useful in relating the results of their own investigations.	Characteristics of Stars  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe > Characteristics of Stars > Explore > Explore More Resources > Hands-On Activity: How Big Are the Stars?	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3b6d2f78-8853-47ef-a5ce-8dd31b1a40e8">https://app.discoveryeducation.com/player/view/assetGuid/3b6d2f78-8853-47ef-a5ce-8dd31b1a40e8</a>
SC.8.N.3.1	Select models useful in relating the results of their own investigations.	Ancient Astronomy  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > Our Place in the Universe > Ancient Astronomy> Elaborate with STEM > STEM Project Starters page 3 > Project: Round Earth	<a href="https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/33f79425-907a-4294-86c7-09e08656bf5c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c4d091a7-7f28-4f04-897d-2a62188e7e88">https://app.discoveryeducation.com/learn/techbook/units/f5eeda3c-33c6-4a34-947f-65007036b19a/concepts/33f79425-907a-4294-86c7-09e08656bf5c/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/c4d091a7-7f28-4f04-897d-2a62188e7e88</a>



2016-2017 STATE OF FLORIDA INSTRUCTIONAL MATERIALS ADOPTION  
STANDARDS ALIGNMENT  
COURSE STANDARDS/BENCHMARKS (Form IM7)

BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)	
SC.8.N.3.1	Select models useful in relating the results of their own investigations.	The Inner Planets  Comprehensive Science 3 - Florida (2017) > Earth & Space Science > The Solar System > The Inner Planets > Explore > CIT page 2 > Hands-On Activity: Features of the Inner Planets	<a href="https://app.discoveryeducation.com/player/view/assetGuid/1dff719f-51de-4e66-9e7c-55537d00fd3e">https://app.discoveryeducation.com/player/view/assetGuid/1dff719f-51de-4e66-9e7c-55537d00fd3e</a>
SC.8.N.3.1	Select models useful in relating the results of their own investigations.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Elaborate with STEM > STEM Project Starters page 1 > Project: Measurements and Materials	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/fb671c74-51a8-4a2c-9058-aba46caf251d">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/fb671c74-51a8-4a2c-9058-aba46caf251d</a>
SC.8.N.3.1	Select models useful in relating the results of their own investigations.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Elaborate with STEM > STEM in Action: Careers and Combining and Separating Mixtures	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
SC.8.N.3.1	Select models useful in relating the results of their own investigations.	Atomic Structure and Elements  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Atomic Structure and Elements > Elaborate with STEM > STEM Project Starters page 2 > Project: Salt Maker	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/2ab00b41-9353-4747-864d-837c5e1232bc/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/3257b9ad-93bc-41e0-b114-6152ed5fb3bc">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/2ab00b41-9353-4747-864d-837c5e1232bc/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/3257b9ad-93bc-41e0-b114-6152ed5fb3bc</a>
SC.8.N.3.2	Explain why theories may be modified but are rarely discarded.	Theories About How the Universe Formed  Comprehensive Science 3 - Florida (2017) > Solar System and Beyond > Our Place in the Universe> Theories About How the Universe Formed > Explore > Core Interactive Text page 2 > Reading Passage: Understanding the Universe: A Big Bang or a Steady State?	<a href="https://app.discoveryeducation.com/player/view/assetGuid/4ec201e8-f505-4ad7-b48f-21a3a270d8ad">https://app.discoveryeducation.com/player/view/assetGuid/4ec201e8-f505-4ad7-b48f-21a3a270d8ad</a>
SC.8.N.3.2	Explain why theories may be modified but are rarely discarded.	Atomic Structure and Elements  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Atomic Structure and Elements > Explore > Explore More Resources > HOA: Atomic Theory Timeline	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3ea28b22-4f3c-432e-970c-a7a35ceddfa9">https://app.discoveryeducation.com/player/view/assetGuid/3ea28b22-4f3c-432e-970c-a7a35ceddfa9</a>
SC.8.N.4.1	Explain that science is one of the processes that can be used to inform decision making at the community, state, national, and international levels.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Elaborate with STEM > STEM in Action: Medical Materials	<a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/a1ba63c6-48f2-492f-81f3-6af68e005c72/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
SC.8.N.4.2	Explain how political, social, and economic concerns can affect science, and vice versa.	Future of Space Exploration  Comprehensive Science 3 - Florida (2017) > The Solar System > Future of Space Exploration > Explore > Explore More Resources > Reading Passage: Friction and the Fall of the Shuttle Columbia	<a href="https://app.discoveryeducation.com/player/view/assetGuid/d75bd681-63ce-4376-b54a-dee8dd54674d">https://app.discoveryeducation.com/player/view/assetGuid/d75bd681-63ce-4376-b54a-dee8dd54674d</a>

**2016-2017 STATE OF FLORIDA INSTRUCTIONAL MATERIALS ADOPTION  
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BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)
SC.8.N.4.2	Explain how political, social, and economic concerns can affect science, and vice versa.	<p>Photosynthesis</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/5f7a5d0f-7b5f-417c-8ba5-b8bf67433abb">https://app.discoveryeducation.com/learn/techbook/units/ff506374-bd28-414b-a055-cebec53d1571/concepts/c975df4b-055c-4fad-bfaf-d60967ae3b70/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/5f7a5d0f-7b5f-417c-8ba5-b8bf67433abb</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Life Science &gt; Energy and Life &gt; Photosynthesis &gt; Elaborate with STEM &gt; STEM Project Starters page 1 &gt; Project: <b>Engineering Better Crops</b></p>
SC.8.P.8.1	Explore the scientific theory of atoms (also known as atomic theory) by using models to explain the motion of particles in solids, liquids, and gases.	<p>States of Matter</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/fda36299-1e8c-4efe-aa93-72f7c83931af">https://app.discoveryeducation.com/player/view/assetGuid/fda36299-1e8c-4efe-aa93-72f7c83931af</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Matter and Change &gt; Properties of Matter &gt; States of Matter &gt; Explore &gt; Explore More Resources &gt; Exploration: <b>Changes of States</b></p>
SC.8.P.8.1	Explore the scientific theory of atoms (also known as atomic theory) by using models to explain the motion of particles in solids, liquids, and gases.	<p>Changes in States</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/2B90B0D9-9A87-48AD-90DF-245A0A09831F/concepts/655FA8BF-A253-43F9-B2C8-9835FAA4FAFF">https://app.discoveryeducation.com/learn/techbook/units/2B90B0D9-9A87-48AD-90DF-245A0A09831F/concepts/655FA8BF-A253-43F9-B2C8-9835FAA4FAFF</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Properties of Matter &gt; Changes in States &gt; Engage &gt; Molecules</p>
SC.8.P.8.2	Differentiate between weight and mass recognizing that weight is the amount of gravitational pull on an object and is distinct from, though proportional to, mass.	<p>Mass</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/5a1b6f8b-c6bf-4208-87dd-7b3b66692147">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/5a1b6f8b-c6bf-4208-87dd-7b3b66692147</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Matter and Change &gt; Properties of Matter &gt; Mass &gt; Engage &gt; Comparing Weight and Mass</p>
SC.8.P.8.2	Differentiate between weight and mass recognizing that weight is the amount of gravitational pull on an object and is distinct from, though proportional to, mass.	<p>Mass</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/d011023c-93c8-44a1-a6c0-78182792db2f">https://app.discoveryeducation.com/player/view/assetGuid/d011023c-93c8-44a1-a6c0-78182792db2f</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Matter and Change &gt; Properties of Matter &gt; Mass &gt; Explore &gt; Explore More Resources &gt; Hands-On Activity: <b>Measuring Mass and Weight</b></p>
SC.8.P.8.2	Differentiate between weight and mass recognizing that weight is the amount of gravitational pull on an object and is distinct from, though proportional to, mass.	<p>Mass</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/a7cfa8b8-98f5-49e2-bc8f-239a20cc58ab">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/1be2729e-6dc6-469f-82c7-92269b5d65db/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/a7cfa8b8-98f5-49e2-bc8f-239a20cc58ab</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Physical Science &gt; Properties of Matter &gt; Mass &gt; Elaborate with STEM &gt; STEM in Action: Careers and Mass</p>
SC.8.P.8.3	Explore and describe the densities of various materials through measurement of their masses and volumes.	<p>Density</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/EAC2A50C-0F8E-49BC-9B6D-857DA2D3848E">https://app.discoveryeducation.com/player/view/assetGuid/EAC2A50C-0F8E-49BC-9B6D-857DA2D3848E</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Matter and Change &gt; Properties of Matter &gt; Density &gt; Engage &gt; Hands-On Activity: Testing Density</p>
SC.8.P.8.3	Explore and describe the densities of various materials through measurement of their masses and volumes.	<p>Density</p> <p><a href="https://app.discoveryeducation.com/player/view/assetGuid/1bb32d1b-1ea3-41ca-8f01-7415e451070c">https://app.discoveryeducation.com/player/view/assetGuid/1bb32d1b-1ea3-41ca-8f01-7415e451070c</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Matter and Change &gt; Properties of Matter &gt; Density &gt; Explore &gt; Core Interactive Text page 1 &gt; Hands-On Activity: Exploring Mass, Volume, and Density</p>
SC.8.P.8.3	Explore and describe the densities of various materials through measurement of their masses and volumes.	<p>Density</p> <p><a href="https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/0d57933c-0974-481d-b595-43b3396fbc7/tabs/759da9a7-2edf-4cde-9515-7081ca990764">https://app.discoveryeducation.com/learn/techbook/units/2b90b0d9-9a87-48ad-90df-245a0a09831f/concepts/0d57933c-0974-481d-b595-43b3396fbc7/tabs/759da9a7-2edf-4cde-9515-7081ca990764</a></p> <p>Comprehensive Science 3 - Florida (2017) &gt; Matter and Change &gt; Properties of Matter &gt; Density &gt; Explore &gt; Core Interactive Text page 1 &gt; Identify the Mystery Elements</p>

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SC.8.P.8.4	Classify and compare substances on the basis of characteristic physical properties that can be demonstrated or measured; for example, density, thermal or electrical conductivity, solubility, magnetic properties, melting and boiling points, and know that these properties are independent of the amount of the sample.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Explore > Core Interactive Text page 2 > Hands-On Activity: Classifying with Physical Properties	<a href="https://app.discoveryeducation.com/player/view/assetGuid/58c766e0-491c-4aca-aebb-2aefa70e12da">https://app.discoveryeducation.com/player/view/assetGuid/58c766e0-491c-4aca-aebb-2aefa70e12da</a>
SC.8.P.8.4	Classify and compare substances on the basis of characteristic physical properties that can be demonstrated or measured; for example, density, thermal or electrical conductivity, solubility, magnetic properties, melting and boiling points, and know that these properties are independent of the amount of the sample.	Material Properties  Comprehensive Science 3 - Florida (2017) > Physical Science > Properties of Matter > Material Properties > Explore > Core Interactive Text page 1 > Hands-On Activity: Exploring Physical Characteristics of Minerals	<a href="https://app.discoveryeducation.com/player/view/assetGuid/b4a7b866-61af-4982-ba74-cf0679c7335a">https://app.discoveryeducation.com/player/view/assetGuid/b4a7b866-61af-4982-ba74-cf0679c7335a</a>
SC.8.P.8.4	Classify and compare substances on the basis of characteristic physical properties that can be demonstrated or measured; for example, density, thermal or electrical conductivity, solubility, magnetic properties, melting and boiling points, and know that these properties are independent of the amount of the sample.	Density  Comprehensive Science 3 - Florida (2017) > Matter and Change > Properties of Matter > Density > Explore > Core Interactive Text page 2 > Hands-On Activity: Testing Density	<a href="https://app.discoveryeducation.com/player/view/assetGuid/eac2a50c-0f8e-49bc-9b6d-857da2d3848e">https://app.discoveryeducation.com/player/view/assetGuid/eac2a50c-0f8e-49bc-9b6d-857da2d3848e</a>
SC.8.P.8.5	Recognize that there are a finite number of elements and that their atoms combine in a multitude of ways to produce compounds that make up all of the living and nonliving things that we encounter.	Molecules  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Molecules > Engage > Exploration: Molecules and Compounds	<a href="https://app.discoveryeducation.com/player/view/assetGuid/F2A57B5E-4018-44A2-B2B2-98DD234D0DB">https://app.discoveryeducation.com/player/view/assetGuid/F2A57B5E-4018-44A2-B2B2-98DD234D0DB</a>
SC.8.P.8.5	Recognize that there are a finite number of elements and that their atoms combine in a multitude of ways to produce compounds that make up all of the living and nonliving things that we encounter.	Molecules  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Molecules > Explore > Core Interactive Text page 2 > Exploration: Compounds: The Bonds That Bind	<a href="https://app.discoveryeducation.com/player/view/assetGuid/dc26c0f8-fe25-4d90-991e-690efbf9c95e">https://app.discoveryeducation.com/player/view/assetGuid/dc26c0f8-fe25-4d90-991e-690efbf9c95e</a>
SC.8.P.8.5	Recognize that there are a finite number of elements and that their atoms combine in a multitude of ways to produce compounds that make up all of the living and nonliving things that we encounter.	Molecules  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Molecules > Explore > Explore More Resources > Hands-On Activity: Modeling Compounds	<a href="https://app.discoveryeducation.com/player/view/assetGuid/8299ae89-d58d-4ba1-b002-5f506d177a1d">https://app.discoveryeducation.com/player/view/assetGuid/8299ae89-d58d-4ba1-b002-5f506d177a1d</a>

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SC.8.P.8.6	Recognize that elements are grouped in the periodic table according to similarities of their properties.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Explore > Explore More Resources > Reading Passage: The Periodic Table: A Closer Look	<a href="https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342">https://app.discoveryeducation.com/player/view/assetGuid/3fa982c4-7f7c-40f6-8fdc-42e4b07ad342</a>
SC.8.P.8.6	Recognize that elements are grouped in the periodic table according to similarities of their properties.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Explore > Explore More Resources > Exploration: Where Do I Belong?	<a href="https://app.discoveryeducation.com/player/view/assetGuid/d097c674-796c-480c-b0b7-44f250c9b61c">https://app.discoveryeducation.com/player/view/assetGuid/d097c674-796c-480c-b0b7-44f250c9b61c</a>
SC.8.P.8.6	Recognize that elements are grouped in the periodic table according to similarities of their properties.	Periodic Table  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Periodic Table > Elaborate with STEM > STEM Project Starters page 1 > Project: Interacting with the Periodic Table	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/dcaf6da1-1773-4445-999b-f027675babf6">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/58318cef-7fd7-40ee-9fe6-015ed034736d/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/dcaf6da1-1773-4445-999b-f027675babf6</a>
SC.8.P.8.7	Explore the scientific theory of atoms (also known as atomic theory) by recognizing that atoms are the smallest unit of an element and are composed of sub-atomic particles (electrons surrounding a nucleus containing protons and neutrons).	Atomic Structure and Elements  Comprehensive Florida 3 - Florida (2017) > Physical Science > The Structure of Matter > Atomic Structure and Elements > Explore > CIT page 1	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/2ab00b41-9353-4747-864d-837c5e1232bc/tabs/759da9a7-2edf-4cde-9515-7081ca990764">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/2ab00b41-9353-4747-864d-837c5e1232bc/tabs/759da9a7-2edf-4cde-9515-7081ca990764</a>
SC.8.P.8.8	Identify basic examples of and compare and classify the properties of compounds, including acids, bases, and salts.	Acids and Bases  Comprehensive Science 3 - Florida (2017) > Chemical Changes > Acids and Bases > Explore > Explore More Resources > Virtual Lab: The Mystery of Potter's Pond	<a href="https://app.discoveryeducation.com/player/view/assetGuid/6634B330-1E1A-4F54-BF52-96ED7A5ED4AC">https://app.discoveryeducation.com/player/view/assetGuid/6634B330-1E1A-4F54-BF52-96ED7A5ED4AC</a>
SC.8.P.8.8	Identify basic examples of and compare and classify the properties of compounds, including acids, bases, and salts.	Acids and Bases  Comprehensive Science 3 - Florida (2017) > Chemical Changes > Acids and Bases > Explore > Explore More Resources > Reading Passage: The Acid Test	<a href="https://app.discoveryeducation.com/player/view/assetGuid/1a0bb363-d67b-45a1-8aab-bcfad9586d00">https://app.discoveryeducation.com/player/view/assetGuid/1a0bb363-d67b-45a1-8aab-bcfad9586d00</a>
SC.8.P.8.8	Identify basic examples of and compare and classify the properties of compounds, including acids, bases, and salts.	Acids and Bases  Comprehensive Science 3 - Florida (2017) > Chemical Changes > Acids and Bases > Explore > Explore More Resources > Reading Passage: Pickle Chemistry	<a href="https://app.discoveryeducation.com/player/view/assetGuid/77b1688e-bee1-4369-99c0-93bd1956f2b2">https://app.discoveryeducation.com/player/view/assetGuid/77b1688e-bee1-4369-99c0-93bd1956f2b2</a>
SC.8.P.8.9	Distinguish among mixtures (including solutions) and pure substances.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Explore > Core Interactive Text page 1 > Pure Substance or Mixture?	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/759da9a7-2edf-4cde-9515-7081ca990764">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/759da9a7-2edf-4cde-9515-7081ca990764</a>

2016-2017 STATE OF FLORIDA INSTRUCTIONAL MATERIALS ADOPTION  
STANDARDS ALIGNMENT  
COURSE STANDARDS/BENCHMARKS (Form IM7)

BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST)	
SC.8.P.8.9	Distinguish among mixtures (including solutions) and pure substances.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Explore > Core Interactive Text page 3 > Hands-On Activity: Mixture Separation	<a href="https://app.discoveryeducation.com/player/view/assetGuid/1635c507-2e2e-42f6-ab06-9426a36ce321">https://app.discoveryeducation.com/player/view/assetGuid/1635c507-2e2e-42f6-ab06-9426a36ce321</a>
SC.8.P.8.9	Distinguish among mixtures (including solutions) and pure substances.	Combining and Separating  Comprehensive Science 3 - Florida (2017) > Physical Science > The Structure of Matter > Combining and Separating > Elaborate with STEM > STEM in Action: Careers and Combining and Separating Mixtures	<a href="https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f">https://app.discoveryeducation.com/learn/techbook/units/f166cc34-cb9b-45c4-abe1-0d528d5005de/concepts/bd6ab2c0-2429-4652-90af-75152d0de3ed/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f</a>
SC.8.P.9.1	Explore the Law of Conservation of Mass by demonstrating and concluding that mass is conserved when substances undergo physical and chemical changes.	Chemical Reactions  Comprehensive Science 3 - Florida (2017) > Physical Science > Chemical Changes > Chemical Reactions > Explore > Core Interactive Text page 2 > Hands-On Activity: Balloon-Filling Bottle	<a href="https://app.discoveryeducation.com/player/view/assetGuid/07ba2863-ac44-458e-9474-64c3cb68f7b8">https://app.discoveryeducation.com/player/view/assetGuid/07ba2863-ac44-458e-9474-64c3cb68f7b8</a>
SC.8.P.9.1	Explore the Law of Conservation of Mass by demonstrating and concluding that mass is conserved when substances undergo physical and chemical changes.	Chemical Reactions  Comprehensive Science 3 -Florida (2017) > Matter and Change > Chemical Changes > Chemical Reactions > Explore > Explore More Resources > HOA: Conservation of Mass in Chemical Reactions	<a href="https://app.discoveryeducation.com/player/view/assetGuid/d4f0af3c-70b3-4ed2-8013-d8cc8b0ddd3c">https://app.discoveryeducation.com/player/view/assetGuid/d4f0af3c-70b3-4ed2-8013-d8cc8b0ddd3c</a>
SC.8.P.9.2	Differentiate between physical changes and chemical changes.	Chemical Reactions  Comprehensive Science 3 - Florida (2017) > Physical Science > ChemicalChanges> Chemical Reactions > Explore > Core Interactive Text page 1 > Exploration: Fizz, Foam, and Flames	<a href="https://app.discoveryeducation.com/player/view/assetGuid/5A61F1A7-5D86-4638-940B-B183E7851161">https://app.discoveryeducation.com/player/view/assetGuid/5A61F1A7-5D86-4638-940B-B183E7851161</a>
SC.8.P.9.2	Differentiate between physical changes and chemical changes.	Chemical Reactions  Comprehensive Science 3 - Florida (2017) > Physical Science > Chemical Changes > Chemical Reactions > Explore > Core Interactive Text page 1 > Chemical or Physical Changes	<a href="https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/759da9a7-2edf-4cde-9515-7081ca990764">https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/759da9a7-2edf-4cde-9515-7081ca990764</a>
SC.8.P.9.3	Investigate and describe how temperature influences chemical changes.	Chemical Reactions  Comprehensive Science 3 - Florida (2017) > Physical Science > Chemical Changes > Chemical Reactions > Elaborate with STEM > STEM Project Starters page 2 > Project: M M M M M , M R E S !	<a href="https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/db54199c-48e0-4fa8-921d-bdc64d4f881b">https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/054d49d8-d8f5-4203-b276-19e25b56cc5f/pages/db54199c-48e0-4fa8-921d-bdc64d4f881b</a>
SC.8.P.9.3	Investigate and describe how temperature influences chemical changes.	Chemical Reactions  Comprehensive Science 3 -Florida (2017) > Matter and Change > Chemical Changes > Chemical Reactions > Explore > CIT page 3 > TEI: Collisions and Reaction Rates	<a href="https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/2298dccb-870b-40e5-9916-ab15591abf0e">https://app.discoveryeducation.com/learn/techbook/units/58abec07-3054-4690-bc88-8e4ab1cfb473/concepts/593911bd-31f3-45e1-8c07-38cb1adb73fd/tabs/759da9a7-2edf-4cde-9515-7081ca990764/pages/2298dccb-870b-40e5-9916-ab15591abf0e</a>