

**Scott Foresman Science  
to the  
Florida Sunshine State Standards  
Grade Three**

<b>Benchmark Code</b>	<b>Florida Sunshine State Standards</b>	<b>Scott Foresman Science</b>
<b>SC.3.E.5.1</b>	Explain that stars can be different; some are smaller, some are larger, and some appear brighter than others; all except the Sun are so far away that they look like points of light.	<b>SE/TE:</b> 436–439, 454–457, 470 <b>FCAT Test Prep:</b> 104, 107, 112, 121, 141
<b>SC.3.E.5.2</b>	Identify the Sun as a star that emits energy; some of it in the form of light.	<b>SE/TE:</b> 422–427, 454–455 <b>FCAT Test Prep:</b> 85, 109, 124
<b>SC.3.E.5.3</b>	Recognize that the Sun appears large and bright because it is the closest star to Earth.	<b>SE/TE:</b> 454–455 <b>FCAT Test Prep:</b> 112
<b>SC.3.E.5.4</b>	Explore the Law of Gravity by demonstrating that gravity is a force that can be overcome.	<b>SE/TE:</b> 32, 134–135, 350–351
<b>SC.3.E.5.5</b>	Investigate that the number of stars that can be seen through telescopes is dramatically greater than those seen by the unaided eye.	<b>SE/TE:</b> 436–437, 448, 504 <b>FCAT Test Prep:</b> 88, 141
<b>SC.3.E.6.1</b>	Demonstrate that radiant energy from the Sun can heat objects and when the Sun is not present, heat may be lost.	<b>SE/TE:</b> 370–371, 494–495 <b>FCAT Test Prep:</b> 85, 117
<b>SC.3.L.14.1</b>	Describe structures in plants and their roles in food production, support, water and nutrient transport, and reproduction.	<b>SE/TE:</b> 4, 6–9, 10–13, 14–19 <b>FCAT Test Prep:</b> 1, 2, 4, 5, 13, 16, 25
<b>SC.3.L.14.2</b>	Investigate and describe how plants respond to stimuli (heat, light, gravity), such as the way plant stems grow toward light and their roots grow downward in response to gravity.	<b>SE/TE:</b> 32 <i>See also Grade 5.</i>
<b>SC.3.L.15.1</b>	Classify animals into major groups (mammals, birds, reptiles, amphibians, fish, arthropods, vertebrates and invertebrates, those having live births and those which lay	<b>SE/TE:</b> 36, 38–43 <b>FCAT Test Prep:</b> 8, 9, 10, 11, 26, 129

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	eggs) according to their physical characteristics and behaviors.	
SC.3.L.15.2	Classify flowering and nonflowering plants into major groups such as those that produce seeds, or those like ferns and mosses that produce spores, according to their physical characteristics.	SE/TE: 14–19 FCAT Test Prep: 1
SC.3.L.17.1	Describe how animals and plants respond to changing seasons.	SE/TE: 80–81, 82–85 FCAT Test Prep: 14
SC.3.L.17.2	Recognize that plants use energy from the Sun, air, and water to make their own food.	SE/TE: 8–9, 106–107 FCAT Test Prep: 3, 128, 129
SC.3.N.1.1	Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.	<i>These are some of the many examples.</i> SE/TE: <u>4</u> , 26–27, <u>36</u> , 68, 90–91, 128–129, 140–143, <u>162–163</u> , 258–259, <u>290–291</u> , 314–315, 324, <u>378–379</u> , 412–415, 420
SC.3.N.1.2	Compare the observations made by different groups using the same tools and seek reasons to explain the differences across groups.	SE/TE: 90–91, 100, 144, 184–185, 210–211, 234–235, 272, <u>378–379</u> , 412–415, 416, 512
SC.3.N.1.3	Keep records as appropriate, such as pictorial, written, or simple charts and graphs, of investigations conducted.	<i>These are some of the many examples.</i> SE/TE: 26–27, 58–59, 90–91, 128–129, 140–143, <u>162–163</u> , 172, 184–185, 210–211, 234–235, <u>290–291</u> , 344–345, <u>378–379</u> , 412–415, 440–441
SC.3.N.1.4	Recognize the importance of communication among scientists.	SE/TE: <u>32</u> , 64, 96, 136, 168, 192, 216, 240, 264, 296, 320, 352, 384, 408, <u>448</u> , 472, <u>504</u>
SC.3.N.1.5	Recognize that scientists question, discuss, and check each others' evidence and explanations.	SE/TE: 64, 192, 216, 240, 296, 352, 384, 472, <u>504</u>
SC.3.N.1.6	Infer based on observation.	SE/TE: 58–59, 100, 128–129, 148,

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		162–163, 172, 196, 258–259, 276, 300, 344–345, 402–403, 440–441, 446–447, 498–499
SC.3.N.1.7	Explain that empirical evidence is information, such as observations or measurements, that is used to help validate explanations of natural phenomena.	<b>SE/TE:</b> 4, 26–27, 36, 68, 90–91, 140–143, 210–211, 234–235, 268–271, 324, 356, 378–379, 388, 420, 476
SC.3.N.3.1	Recognize that words in science can have different or more specific meanings than their use in everyday language; for example, energy, cell, heat/cold, and evidence.	<b>SE/TE:</b> 9, 55, 109, 113, 125, 181, 223, 279, 285, 303, 305, 339, 359, 365, 393, 423, 435, 455, 461, 495
SC.3.N.3.2	Recognize that scientists use models to help understand and explain how things work.	<b>SE/TE:</b> 26, 140–143, 162–163, 196, 220, 258–259, 440–441, 452, 466–467, 498–499, 508–511
SC.3.N.3.3	Recognize that all models are approximations of natural phenomena; as such, they do not perfectly account for all observations.	<b>SE/TE:</b> 1E, 26, 97E, 140–143, 162–163, 169E, 196, 217E, 220, 258–259, 273E, 321E, 417E, 440–441, 449E, 452, 466–467, 473E, 498–499, 508–511
SC.3.P.8.1	Measure and compare temperatures of various samples of solids and liquids.	<b>SE/TE:</b> 378–379
SC.3.P.8.2	Measure and compare the mass and volume of solids and liquids.	<b>SE/TE:</b> 284–287, 292–293 <b>FCAT Test Prep:</b> 68, 70, 72, 97, 98, 136, 137
SC.3.P.8.3	Compare materials and objects according to properties such as size, shape, color, texture, and hardness.	<b>SE/TE:</b> 273E, 284–289, 290–291 <b>FCAT Test Prep:</b> 67, 68
SC.3.P.9.1	Describe the changes water undergoes when it changes state through heating and cooling by using familiar scientific terms such as melting, freezing, boiling, evaporation, and condensation.	<b>SE/TE:</b> 156–157, 162–163, 304–305, 308–309, 368–369, 378–379, 380–381 <b>FCAT Test Prep:</b> 32, 33, 34, 35, 61, 73, 76, 88, 98, 101, 131
SC.3.P.10.1	Identify some basic forms of energy such as light, heat, sound, electrical, and mechanical.	<b>SE/TE:</b> 358–361, 362–365, 366–369, 370–373, 374–377, 396–399, 402–

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		403 <b>FCAT Test Prep:</b> 31, 85, 86, 87, 88, 89, 90, 92, 100, 137
SC.3.P.10.2	Recognize that energy has the ability to cause motion or create change.	<b>SE/TE:</b> 360–361, 362–365, 490–495 <b>FCAT Test Prep:</b> 87, 90, 101, 119, 120, 134, 135
SC.3.P.10.3	Demonstrate that light travels in a straight line until it strikes an object or travels from one medium to another.	<b>SE/TE:</b> 353E, 370–373
SC.3.P.10.4	Demonstrate that light can be reflected, refracted, and absorbed.	<b>SE/TE:</b> 370–373 <b>FCAT Test Prep:</b> 87, 88
SC.3.P.11.1	Investigate, observe, and explain that things that give off light often also give off heat.	<b>SE/TE:</b> 70–71, 358–359, 370–371, 422–427 <b>FCAT Test Prep:</b> 85, 87
SC.3.P.11.2	Investigate, observe, and explain that heat is produced when one object rubs against another, such as rubbing one's hands together.	<b>SE/TE:</b> 366–367 <b>FCAT Test Prep:</b> 86