



Correlation of

Earth and Space Science, FL Edition
by Hendrix, Thompson, and Turk, © 2024,
ISBN: 9798214068596

to

Florida Science Standards
G9-12 Earth and Space Science Access Points

Correlation to the Florida Science Standards, 9-12 Earth and Space Science Access Points,
Earth and Space Science, FL Edition,
 by Hendrix, Thompson, and Turk, © 2024,
 ISBN: 9798214068596
 National Geographic Learning | Cengage

Access Points	Student Material References	Teacher Material References
Earth in Space and Time		
SC.912.E.5.In.1 Recognize that the Milky Way is part of the expanding universe.	815, 821-823	T815, T821-823
SC.912.E.5.In.2 Explain that stars change over time, and that stars can be different; some are smaller, some are larger and some appear brighter than others.	800-804	T800-804
SC.912.E.5.In.3 Describe the Sun as a medium-sized star with sunspots and storms that can affect weather and radio transmissions on Earth.	792, 795-799, 811-812	792, T795-799, T811-812
SC.912.E.5.In.4 Recognize that there are other planetary systems in the universe besides the Solar System.	750, 752, 755, 790, 816	T750, T752, T755, T790, T816
SC.912.E.5.In.7 Recognize a lunar eclipse, a solar eclipse, and the effect of the Moon on tides on Earth.	741-742	T741-742
SC.912.E.5.In.6 Identify major contributions and research from space exploration that affected Florida's economy and culture.	750-751	T749, T750-751
SC.912.E.5.In.5 Identify tools that use different types of radiation, such as radio waves, ultraviolet radiation, and infrared waves.	745-747, 798, 805-808, 812, 818	T745-747, T798, T805-808, T812, T818
SC.912.E.5.Pa.4 Recognize that Earth is a planet.	589, 731-735, 740-741, 750-751, 755, 761-763, 787	T589, T731-735, T740-741, T750-751, T755, T761-763, T787
SC.912.E.5.Pa.5 Recognize items, such as freeze-dried food and space blankets, developed because of space exploration.	749-750	T749-750
SC.912.E.5.Pa.6 Recognize a tool that uses radiation for personal reasons, such as x-rays.	745-747	T745-747
SC.912.E.5.Pa.2 Recognize that some stars are brighter than others.	800-804	T800-804
SC.912.E.5.Pa.3 Observe and recognize effects of the Sun on Earth, such as temperature changes.	621, 626-628, 795-799	T621, T626-628, T795-799
SC.912.E.5.Pa.1 Recognize that when objects move away from each other, the distance between them expands.	748-749, 820, 823-825	T748-749, T820, T823-825
SC.912.E.5.Su.1 Recognize that the universe consists of many galaxies, including the Milky Way.	815, 819-820, 821-823	T815, T819-820, T821-823
SC.912.E.5.Su.3 Describe observable effects of the Sun on Earth, such as changes in light and temperature.	621, 626-628	T621, T626-628
SC.912.E.5.Su.2 Identify differences in stars: some are smaller, some are larger and some appear brighter than others.	800-804	T800-804
SC.912.E.5.Su.4 Recognize that there are planetary systems in the Universe.	750, 752, 755, 790, 816	T750, T752, T755, T790, T816

Correlation to the Florida Science Standards, 9-12 Earth and Space Science Access Points,
Earth and Space Science, FL Edition,
 by Hendrix, Thompson, and Turk, © 2024,
 ISBN: 9798214068596
 National Geographic Learning | Cengage

Access Points	Student Material References	Teacher Material References
SC.912.E.5.Su.6 Identify major contributions related to space exploration that affected Florida.	750-751, 755	T749, T750-751, T755
SC.912.E.5.Su.5 Recognize an eclipse.	740-741	T740-741
SC.912.E.5.Su.8 Identify major contributions related to space exploration that affected Florida.	750-751, 755	T749, T750-751, T755
SC.912.E.5.Su.7 Recognize examples of tools that use radiation for observation purposes, such as x-rays and infrared night goggles.	745-747	T745-747
Earth Structures		
SC.912.E.6.In.1 Describe the three layers of Earth (core, mantle, and crust).	40-42, 201, 203-207, 215-216, 259-262, 273	T40-42, T201, T203-207, T215-216, T259-262, T273
SC.912.E.6.In.2 Describe examples of surface features, such as glaciers, valleys, canyons, and dried riverbeds, which are caused by wind and erosion (surface processes).	143, 378-382, 384-385, 411-414, 415-419, 434-437, 464-467	T143, T378-382, T384-385, T411-414, T415-419, T434-437, T464-467
SC.912.E.6.In.3 Relate a cause and effect of movements in Earth's crust (plate tectonics), such as fault lines in the plates causing earthquakes.	48-49, 142-143, 201-203, 209-213, 221-224, 232, 235-237, 247-251	T48-49, T142-143, 201-203, T209-213, T221-224, T232, T235-237, T247-251
SC.912.E.6.In.4 Identify natural geological processes that change the land and water in Florida, including beach erosion and sinkholes.	340-341, 349, 371-372, 384-385, 464-465, 493-494, 499, 532-537	T340-341, T349, T371-372, T384-385, T464-465, T493-494, T499, T532-537
SC.912.E.6.Pa.1 Identify a surface feature of Earth, such as a hill.	209-213, 221-224, 280-281, 294, 303-309, 383, T411-414	T209-213, T221-224, T280-281, T294, T303-309, T383, T411-414
SC.912.E.6.Pa.2 Recognize that the surface of Earth can change.	48-49, 232, 235-236, 274-275, 303-309, 313-316, 338, 365	T48-49, T232, T235-236, T274-275, T303-309, T313-316, T338, T365
SC.912.E.6.Su.4 Recognize examples of natural changes to Florida's land and water, such as beach erosion.	340-341, 349, 385-388, 464-465, 493-494, 499, 532-537	T340-341, T349, T385-388, T464-465, T493-494, T499, T532-537
SC.912.E.6.Su.3 Recognize that Earth's crust is broken into parts (plates) that move and cause mountains and volcanoes.	42, 49, 209-213, 232, 274-275, 313-316, 317-320	T42, T49, T209-213, T232, T274-275, T313-316, T317-320
SC.912.E.6.Su.2 Identify types of surface features, such as hills and valleys.	209-213, 221-224, 280-281, 294, 303-309, 383, 423-427	T209-213, T221-224, T280-281, T294, T303-309, T383, T423-427
SC.912.E.6.Su.1 Recognize the three layers of Earth (core, mantle, and crust).	40-42, 201, 203-207, 259-262, 273	T40-42, T201, T203-207, T259-262, T273
Earth Systems and Patterns		
SC.912.E.7.In.1 Identify cycles that occur on Earth, such as the water and carbon cycles, and the role energy plays in them.	36, 55-61, 215-216, 483-484	T36, T55-61, T215-216, 483-484
SC.912.E.7.In.2 Recognize that there are circular movements of ocean water (surface and deep-water currents) which move cold water from the poles toward the tropics and vice versa.	133-135, 224, 333, 521-526, 678-681	T133-135, T224, T333, T521-526, T678-681
SC.912.E.7.In.3 Describe the interactions among the atmosphere,	133-135, 224-225, 333, 339, 349, 370,	T133-135, T224-225, T333, T339,

Correlation to the Florida Science Standards, 9-12 Earth and Space Science Access Points,
Earth and Space Science, FL Edition,
 by Hendrix, Thompson, and Turk, © 2024,
 ISBN: 9798214068596
 National Geographic Learning | Cengage

Access Points	Student Material References	Teacher Material References
hydrosphere, and biosphere, including how air, water, and land support living things and how air temperature affects water and land temperatures.	464-467, 538-540	T349, T370, T464-467, 538-540
SC.912.E.7.In.4 Describe variations in climate due to geological locations, such as on mountains and the nearness to large bodies of water.	224-225, 405-406, 407, 423-426, 517-518, 636-642	T224-225, T405-406, T407, T423-426, T517-518, T636-642
SC.912.E.7.In.5 Identify weather conditions using weather data and weather maps.	661-663, 664-666, 671-675, 680, 685, 694-697	T661-663, T664-666, T671-675, T680, T685, T694-697
SC.912.E.7.In.6 Compare weather conditions in different types of severe storms, including hurricanes, tornadoes, and thunderstorms.	671-675, 680, 685	T671-675, 680, T685
SC.912.E.7.In.7 Recognize that global climate change is related to conditions in the atmosphere and oceans.	53, 133, 402, 422, 678-681, 691-693, 703-705, 706-708	T53, T133, T402, T422, T678-681, T691-693, T703-705, T706-708
SC.912.E.7.In.8 Describe how atmospheric and hydrologic conditions, such as hurricanes, drought, wildfires, and sinkholes, affect human behavior.	364, 385-388, 395, 464-467, 468-470, 677-678, 685	T364, T385-388, T395, T464-467, T468-470, T677-678, T685
SC.912.E.7.In.9 Recognize that the ocean absorbs most of the solar energy reaching Earth and loses heat primarily by evaporation.	333, 632-635, 640-641	T333, T632-635, T640-641
SC.912.E.7.Pa.6 Recognize that the Sun heats the water in the ocean.	46, 224, 333, 629-631, 640-641	T46, T224, T333, T629-631, T640-641
SC.912.E.7.Pa.3 Recognize that humans, plants, and animals live on the Earth (biosphere).	43-44, 56-61, 449-450, 464-470, 484-492	T43-44, T56-61, T449-450, T464-470, T484-492
SC.912.E.7.Pa.4 Recognize that weather (climate) is different in different locations.	36, 203, 224-225, 333, 402, 405-406, 423-426, 691-693	T36, T203, T224-225, T333, T402, T405-406, T423-426, T691-693
SC.912.E.7.Pa.1 Recognize that clouds release rain (part of the water cycle).	46, 56-58, 423-426, 483-484, 653-656, 659-660	T46, T56-58, T423-426, T483-484, T653-656, T659-660
SC.912.E.7.Pa.2 Recognize waves in the ocean.	46, 253-255, 515-516, 526-527	T46, T253-255, T515-516, T526-527
SC.912.E.7.Pa.5 Recognize the weather conditions, including severe weather, in Florida.	671-675, 677-678, 685	T671-675, 677-678, T685
SC.912.E.7.Su.3 Recognize components of the atmosphere, the hydrosphere, and the biosphere.	42-44, 224-225, 449-450, 464-470, 483-484, 600-601	T42-44, T224-225, T449-450, T464-470, T483-484, T600-601
SC.912.E.7.Su.2 Recognize that currents move the ocean water around Earth.	46, 133, 224, 333, 517-518, 521-526, 678-681	T46, T133, T224, T333, T517-518, T521-526, T678-681
SC.912.E.7.Su.1 Recognize the phases of the water cycle that occur on Earth and the role energy plays in the water cycle.	56-58, 224, 483-484, 653-656	T56-58, T224, T483-484, T653-656
SC.912.E.7.Su.4 Identify the climate conditions in different parts of the world.	402, 405, 422, 423-426, 521-526, 636-642, 691-693	T402, T405, 422, T423-426, T521-526, T636-642, T691-693
SC.912.E.7.Su.6 Recognize conditions in severe storms, such as	671-675, 685	T671-675, T685

Correlation to the Florida Science Standards, 9-12 Earth and Space Science Access Points,
Earth and Space Science, FL Edition,
 by Hendrix, Thompson, and Turk, © 2024,
 ISBN: 9798214068596
 National Geographic Learning | Cengage

Access Points	Student Material References	Teacher Material References
hurricanes, tornadoes, and thunderstorms.		
SC.912.E.7.Su.5 Identify weather conditions, including temperature, wind speed, and humidity.	224, 423-426, 449-450, 653-656, 657-661, 661-663, 670	T224, T423-426, T449-450, T653-656, T657-661, T661-663, T670
SC.912.E.7.Su.9 Recognize that the ocean absorbs heat from the Sun and then warms the air.	333, 422, 518, 632-635, 636-642, 678-680	T333, T422, T518, T632-635, T636-642, T678-680
SC.912.E.7.Su.8 Identify how weather and water conditions affect humans in Florida.	449-450, 671-675, 677-678, 685, 711-712	T449-450, 671-675, T677-678, T685, T711-712
SC.912.E.7.Su.7 Recognize that global climate change occurs over a long period of time.	36, 133, 224-225, 420-422, 485, 700-703	T36, T133, T224-225, T420-422, T485

"National Geographic," "National Geographic Society" and the "Yellow Border Design" are registered trademarks of the National Geographic Society® Marcas Registradas.