

CCPS Science Grade 3 Curriculum Guide Course Code - 5020040

Go To Course Description in CPALMS- Click Here: Course Number: 5020040	Trimester 1 July – October (60 Sessions)	Trimester 2 October –February (60 Sessions)	Trimester 3 February – May (60 Sessions)
Textbook: National Geographic	Life Science - Chapters 1,2, & 3	Earth Science/Physical - Chapters 4 & 5	Physical Science - Chapters 7, 8, & 9
Big Ideas	#1: The Practice of Science #3: The Role of Theories, Laws, and Models #14: Organization and Development of Living Organisms #15: Diversity & Evolution of Living Organisms #17: Interdependence	#1: The Practice of Science #3: The Role of Theories, Laws, and Models # 5: Earth in Space & Time #8: Properties of Matter	#1: The Practice of Science #3: The Role of Theories, Laws, and Models #6: Earth Structures #9: Changes in Matter #10: Forms of Energy #11: Energy Transfer & Transformations
Learning Goal (I can.)	Chapter 1 I can classify flowering and non-flowering plants. I can recognize that plants use energy from the sun, air, and water to make food. I can investigate and describe how plants respond to stimuli based on light and gravity. I can describe structures in plants and their roles in food production, support, water, and nutrient transport, and reproduction. Chapter 2 I can classify animals in major groups according to their physical characteristics and behaviors. Chapter 3 I can describe how animals and plants respond to changing seasons.	Chapter 4 I can demonstrate that radiant energy from the sun can heat objects and when the sun is not present, heat may be lost. I can explore the law of gravity by demonstrating that gravity is a force that can be overcome. I can recognize that the sun appears large and bright because it's the closest star to Earth. I can identify that the sun is a star that emits energy; some of it in the form of light. I can explain that stars can be different; some are smaller, larger, and brighter. Chapter 5 I can investigate that the number of stars that can be seen through telescopes is dramatically greater than seeing with the unaided eye. Chapter 6 I can compare materials and objects, according to properties such as size, shape, color, texture, and hardness. I can measure and compare the mass and volume of solids and liquids.	Chapter 7 I can describe the change water undergoes when it changes state through heating and cooling such as melting, freezing, boiling, evaporation, and condensation. Chapter 8 I can investigate, observe, and explain that heat is produced when one object rubs against another. I can investigate, observe, and explain that things that give off light often give off heat. I can recognize that energy has the ability to cause motion and create change. I can identify basic forms of energy such as light, heat, sound, electrical, and mechanical. Chapter 9 I can investigate, observe, and explain that things that give off light often give off heat. I can demonstrate that light can be reflected, refracted, and absorbed.



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			I can measure and compare temperatures of various samples of solids and liquids.	I can demonstrate that light travels in a straight line until it strikes an object.		
Florida Standard(s)	SC.3.L.14.1 SC.3.L.14.2 SC.3.L.15.1	SC.3.L.15.2 SC.3.L.17.1 SC.3.L.17.2	SC.3.E.5.1 SC.3.E.5.2 SC.3.E.5.3 SC.3.E.5.4	SC.3.E.5.5 SC.3.P.8.1 SC.3.P.8.2 SC.3.P.8.3	SC.3.P.9.1 SC.3.E.6.1 SC.3.P.10.1 SC.3.P.10.2	SC.3.P.10.3 SC.3.P.10.4 SC.3.P.11.1 SC.3.P.11.2
Topic/Lesson	Week 1-3: Chapter 1 Week 4-6: Chapter 2 Week 7-9: Chapter 3 Teach Big Idea 1 and 3 (Scientific Method)		Week 1-3: Chapter 4 Week 4-6: Chapter 5 Week 7-9: Chapter 6 Teach Big Idea 1 and 3 (Scientific Method)		Week 1-3: Chapter 7 Week 4-6: Chapter 8 Week 7-9: Chapter 9 Teach Big Idea 1 and 3 (Scientific Method)	
Suggested Activities (AIMS, LABs, TOPs, Thinking Maps, etc.)	AIMS Water in Apples A Cool as a Cucumber Reflecting on Light Lights Rays Slow Down Light Hot Curly Cue Ruler Ramps What's the Evidence Energy Match Up Light Essentials Heat Critters Migration and Hibernation Season Cycles	Bunches of Bats Experiments from Nat Geo Book Investigate Plants and Gravity TE T5e Investigate Plant Parts TE 31a Investigate Animal Classification TE T45i Investigate Arthropods TE 69a Investigate Temperature and Seed Sprouting TE 103a	AIMS Planetary Facts Weight in Space Phone Home Out of this world Constellation Creations Property flip Exploratory Surgery "Eggsploring" Attributes	Evening out Temperatures Experiments from Nat Geo Book Investigate Energy from The Sun TE 121e Investigate Gravity TE 139e Investigate Light Brightness TE 153e Investigate Lenses TE 171a Investigate Properties of Objects TE 189e Investigate Volume and Mass TE 207a	AIMS Little Shavers Koot Kups Chilly Changes Energy Match up Sounds Salt Dances Ruler Ramps Light Essentials Heat Curly Cue The art of change Flashlight findings Hot Stuff Prism Power Rainbow rounds	Experiments from Nat Geo Book Investigate Temperature and Water TE 221e Investigate Temperature TE 239e Investigate Energy of Motion TE 253e Investigate Motion TE 279a Investigate Light and Heat TE 293e Investigate Light and Objects TE 311a
Vocabulary	Chapter 1 Organism Environment Reproduce Pollen Spore Chapter 2 Classify Backbone	Vertebrate Invertebrate Chapter 3 Season Deciduous Evergreen Hibernate migrate	Chapter 4 Sun Energy Light Transform Temperature Gravity Chapter 5 Star	Property Brightness Telescope Chapter 6 Matter Texture Mass Volume	Chapter 7 Condensation Evaporation Gas Liquid States of matter Chapter 8 Energy Mechanical energy	Sound Electricity Heat Chapter 9 Light Reflection Refraction absorption
Suggested Assessment	Nat Geo Assessments Chapter 1,2,3, and Benchmark Test (1-3)		Nat Geo Assessments Chapter 4,5,6 and Benchmark Test (4-5)		Nat Geo Assessments Chapter 7,8,9 and Benchmark Test (6,7,8,9)	