

5th Grade Science Textbook Alignment

Standard Number	Text Resources (list chapter/page/ancillary materials)	Additional support is needed, cite skill or concept
6.M.3.2 Sample	Chapter 3- pp 37-52 Teacher's Resource Kit- p 45	Geometry- volume
5.P.1.1 Explain how factors such as gravity, friction, and change in mass affect the motion of objects.	Textbook Ch. 14, pp. F4-F43 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Jumpstart Ladders to Success	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.P.1.2 Infer the motion of objects in terms of how far they travel in a certain amount of time and the direction in which they travel.	Textbook Ch. 14, pp. F4-F43 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.P.1.3 Illustrate the motion of an object using a graph to show a change in position over a period of time.	Textbook Ch. 14, pp. F4-F43 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.P.1.4 Predict the effect of a given force or a change in mass on the motion of an object.	Textbook Ch. 14, pp. F4-F43 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Jumpstart Ladders to Success	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.P.2.1 Explain how the sun's energy impacts the processes of the water cycle.	Textbook Ch. 6, pp. B50-B51, C74, C75, D38-D40 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org

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	Ladders to Success	(science wiki)
5.P.2.2 Compare the weight of an object to the sum of the weight of its parts before and after an interaction.	Utah Education Network (uen.org) ("The Sum of The Parts"-lesson plans) Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.P.2.3 Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.	Utah Education Network (uen.org) ("Dissolving Salt"-lesson plan) Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.P.3.1 Explain the effects of the transfer of heat that occurs between objects at different temperatures.	Textbook Ch. 13, pp. E96-E98 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.P.3.2 Explain how heating and cooling affect some materials and how this relates to their purpose and practical applications.	Textbook Ch. 13, pp. E98 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.E.1.1 Compare daily and seasonal changes in weather conditions and patterns.	Textbook Ch. 10, D26-61 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)

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5.E.1.2 Predict upcoming weather events from weather data collected through observation and measurements.	Textbook Ch. 10, D26-61 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.E.1.3 Explain how global patterns such as the jet stream and water currents influence local weather in measureable terms such as temperature, wind direction and speed, and precipitation.	Textbook Ch. 10, D26-61 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)

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5.L.1.1 Explain why some organisms are capable of surviving as a single cell while others require many cells that are specialized to survive.	Textbook Unit A, pgs. A4-A11 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)
5.L.1.2 Compare the major systems of the human body in terms of their functions necessary for life.	Textbook- Reference Section, pgs. R20-40 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker Discoveryeducation.com LearnNc.org NCpublicschools.org (science wiki)

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5.L.2.1 Compare the characteristics of several common ecosystems, including estuaries and salt marshes, oceans, lakes and ponds, forests, and grasslands.	Textbook- Unit B, pgs. B62- B75 Buckle Down Unit 2, pg. 76 EOG Coach-Lesson 1, pgs. 38-41 Passing the NC EOG Test of Science-Chapter 1, pgs. 28-31 Competitive Edge- Chapter 2, pgs. 57-65 Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker
5.L.2.2 Classify the organisms within an ecosystem according to the function they serve: producers, consumers, or decomposers	Textbook- Unit B, pgs. B6;B16-B21 Buckle Down-Unit 2, pgs. 79-81 EOG Coach-Lesson 2, pgs. 42- 44 Passing the NC EOG Test of Science-Chapter 2, pgs. 33-35; 41-47 Competitive Edge-Chapter 2, pgs. 69-75 Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker
5.L.2.3 Infer the effects that may result from the interconnected relationship of plants and animals to their ecosystem.	Textbook- Unit B, pgs. B6-B15; B22- B31 Buckle Down-Unit 2, pgs. 62-84 EOG Coach-Lesson 3, pgs. 46-47; 52-53; Passing the NC EOG Test of Science Competitive Edge-Chapter 2, pgs. 73-77; 83-103 Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker
5.L.3.1 Explain why organisms differ from or are similar to their parents based on the characteristics of the organism.	Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker
5.L.3.2 Give examples of likenesses that are inherited and some that are not.	Textbook- Unit A, pgs. 110-111 Buckle Down EOG Coach Passing the NC EOG Test of Science Competitive Edge Ladders to Success Jumpstart	Edhelper.com ClassScape.org NC EOG Test Maker