

ACS 7th Grade Science Pacing Guide

Quarter 1 - 1st Nine Weeks			
Unit Sequence	Standards	Days/Weeks	Lessons
Welcome and Intro to Lab The Nature of Science* Safety Contract Science and Engineering Practices Lab Safety Variables Graphing		1 week	Course Intro Centers - Use/tweak how you see fit Lab Safety Centers - use/tweak how you see fit Airplane Lab Centers and test. Graphing Airplane Lab Results Practicing Graphing TpT
Forces and Motion Motion Motion Speed Distance/Time Graph Forces Balanced/Unbalanced Forces CFA Energy: Conservation and Transfer Forms of Energy Simple Machines Circuits	7.P.1.1, 7.P.1.3, 7.P.1.4 7.P.1.2 7.P.2.1, 7.P.2.2, 7.P.2.3 7.P.2.4	4 weeks 3 weeks 1 week	Balanced and Unbalanced Forces with PL Playlist W.7.2 Energy Conservation and Transfer 7.P.2.1, 7.P.2.2, 7.P.2.3 Simple Machines with PL Playlist W.7.2 Circuits - LFL Simple Machines W.7.2

[DPI Grade 7 Essential Standards](#),
 [DPI Grade 7 Unpacking](#),
 [DPI Grade 7 Assessment Examples](#),
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Quarter 2 - 2nd Nine Weeks			
Unit Sequence	Standards	Days/Weeks	Lessons
Structure and Function of Living Organisms Single-Celled Organisms Animal and Plant Cells Hierarchical organization Human Body Systems Functions and Interactions CFA	7.L.1.1 7.L.1.2 7.L.1.3 7.L.1.4		Structures and Functions of Living Organisms 7.L.1.1 Life Sciences 7.L.1.2 Multicellular Organisms with PL Playlist W.7.2 Body Systems W.7.2

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Quarter 3 - 3rd Nine Weeks			
Unit Sequence	Standards	Days/Weeks	Lessons
Evolution and Genetics Asexual and Sexual Reproduction Punnett Squares/ Pedigrees Environmental and lifestyle choices CFA	7.L.2.1 7.L.2.2 7.L.2.3		Heredity 7.L.2.2 Genetics and Life Style 7.L.2.3 Sexual/Asexual Reproduction with PL Playlist W.7.2

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Quarter 4 - 4th Nine Weeks			
Unit Sequence	Standards	Days/Weeks	Lessons
<p>Earth Systems, Structures, and Processes</p> <p>Atmosphere Water Cycle Weather Air Quality Human Impact</p> <p>CFA</p>	<p>7.E.1.1 7.E.1.2 7.E.1.3 7.E.1.4 7.E.1.5 7.E.1.6</p>	8 weeks	<p>Earth's Atmosphere 7.E.1.2, W.7.1</p> <p>Earth Systems and Weather 7.E.1.3</p> <p>Global Winds 7.E.1.3</p> <p>Weather unit with playlist 7.E.1.4, 7.W.2</p> <p>Global Winds unit with Playlist 7.E.1.5, W.7.2</p> <p>Air Pollution 7.E.1.6, W.7.2</p> <p>Air Quality and Stewardship W.7.2</p>

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[Essential Standards: Grade 7 Science • Unpacked Content](#)

Middle Grades Science: 7th Grade Support Document