



## 7th Grade Science August-October

[Unit Title]	[Standards]	[Materials and Resources]
Unit 1-Cells and Human Body Systems	S7L2a, S7L2b, S7L2c	<p>Videos:</p> <ul style="list-style-type: none"><li>• <a href="#">Science Safety Parody Song</a></li><li>• <a href="#">Variable Video</a></li><li>• <a href="#">Sham Wow Towel</a></li><li>• <a href="#">My Dad Is An Alien</a></li><li>• <a href="#">Mythbusters-Walking vs. Running in the rain</a></li><li>• <a href="#">Mythbusters-Swimming in Syrup vs. Water</a></li><li>• <a href="#">Are elephants afraid of mice?</a></li><li>• <a href="#">Pellagra Video</a></li><li>• <a href="#">Microscope Video</a></li><li>• <a href="#">What is a Theory?</a></li><li>• <a href="#">Cell Theory</a></li><li>• <a href="#">Levels of Organization</a></li><li>• <a href="#">The Wacky History of the Cell Theory</a></li><li>• <a href="#">Prokaryote vs. Eukaryote</a></li><li>• <a href="#">The 6 Kingdoms</a></li><li>• <a href="#">Sexual vs Asexual Reproduction Rap</a></li><li>• <a href="#">Plant Cells</a></li><li>• <a href="#">Cells Cells</a></li><li>• <a href="#">Cells to Factory Analogy</a></li><li>• <a href="#">Levels of Life Video</a></li><li>• <a href="#">Organization from Cells to Organism</a></li></ul>

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|  |  | <ul style="list-style-type: none"><li>• <a href="#">The Cardiovascular and Circulatory System</a></li><li>• <a href="#">The Digestive System</a></li><br/><li>• <a href="#">Muscular &amp; Skeletal System</a></li><li>• <a href="#">The Respiratory System</a></li><li>• <a href="#">The Excretory System</a></li><li>• <a href="#">The Immune System</a></li><li>• <a href="#">Frank Gregorio-Introduction to Cells</a></li><li>• <a href="#">Frank Gregorio-Introduction to Organelles</a></li><li>• <a href="#">Prokaryote vs. Eukaryote Video</a></li><li>• <a href="#">The six Kingdoms of Classification</a></li><li>• <a href="#">Root Tip Mitosis</a></li><li>• <a href="#">Hay Infusion Protists</a></li><li>• <a href="#">The Doritos Dog</a></li><li>• <a href="#">The Story of Cholera</a></li><li>• <a href="#">Dr. Binocs Body Systems/Parts</a></li><li>• <a href="#">Dr. Binocs-Digestive System</a></li><li>• <a href="#">Dr. Binocs-Covid19</a></li><li>• <a href="#">Dr. Binocs-Immune System</a></li><li>• <a href="#">Dr. Binocs-Microscopic Organisms</a></li><li>• <a href="#">Dr. Binocs-Chickenpox</a></li><li>• <a href="#">Dr. Binocs-Typhoid</a></li><li>• <a href="#">Dr. Binocs-Why Do We Puke?</a></li><li>• <a href="#">Amoeba Sisters</a></li><li>• <a href="#">Amoeba Sisters</a></li></ul> |
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- [Bubonic Plague Video from Sepup Lab Aids](#)
- [Salamander From Egg to Full](#)
- [Specialized Cells](#)
- [Selena Gomez video clip](#)
- [Cells-The Grand Tour](#)
- [Osmosis Article](#)
- [What is Osmosis? Video](#)
- [Photosynthesis Article](#)
- [Photosynthesis & Respiration Video](#)
- [Where does photosynthesis take place? Article](#)
- [Human Eye video](#)
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Virtual Resources:

- [CK12 Life Science FLEXBOOK \(chpt. 1, 2, 5, 6, 7, 8, 9, 10, 11\)](#)
- [CK12 Life Science FLEXBOOK \(chpt. 1,2,3,4,5\)](#)
- [Virtual Microscope](#)
- [Intro to Microscopes Virtual Lab](#)
- [Virtual Microscope Slides](#)
- [Virtual Pond Dip](#)
- [Investigating Plant and Animal Cells](#)
- [Characteristics of living things digital lab](#)
- [What are Cells?](#)
- [Plant and Animal Cells](#)
- [Cell Size and Scale](#)

- [Organ Systems](#)
- [Cells Alive](#)
- [Cell Explorers](#)
- [Cell Theory and Common Parts of a Cells-CK12](#)
- [Investigating Plant and Animal Cells](#)
- [Cells Readings](#)
- [Characteristics of Living Things](#)
- Mandrake Video
- Here Comes the Boom Scene:  
[https://www.youtube.com/watch?v=4H42e\\_cR06Q](https://www.youtube.com/watch?v=4H42e_cR06Q)
- <https://www.generationgenius.com/videolessons/plant-and-animal-cells-video-for-kids/>
- <https://www.generationgenius.com/videolessons/multicellular-organisms-video-for-kids/>
- [https://www.youtube.com/watch?v=G17jQg\\_pUJg](https://www.youtube.com/watch?v=G17jQg_pUJg)

**BOOKS:**

- Fantastic Beasts and Where to Find Them
- Life Science Concepts and Challenges- Globe Fearon Textbook
- Sepup Life Science Lab Aids

**Text Resources:**

- [Science Safety Handout](#)

		<ul style="list-style-type: none"> <li>• <a href="#">Cohesion and Adhesion (Penny Lab Reading)</a></li> <li>• <a href="#">Prokaryote vs. Eukaryote Reading Passage</a></li> <li>• <a href="#">Cell Theory and Common Parts of a Cell</a></li> <li>• <a href="#">Reading a-z-The Bubonic Plague</a></li> <li>• <a href="#">The Black Death</a></li> <li>• <a href="#">Meningitis(Readworks)</a></li> <li>• <a href="#">Compare and Contrast Essay Example</a></li> <li>• <a href="#">Levels of Life Reading Passage CK12</a></li> <li>• <a href="#">Prokaryote vs. Eukaryote Reading Passage CK12</a></li> <li>• <a href="#">The six Kingdoms of Life Reading Passage</a></li> <li>• <a href="#">Six Kingdoms of Life Reading Passage</a></li> <li>• <a href="#">Cell Rap</a></li> <li>• <a href="#">Cell Dance Instructions</a></li> </ul> <p>Podcasts:</p> <ul style="list-style-type: none"> <li>• <a href="#">Brains On: What makes Tardigrades Tick?</a></li> </ul>
		<p>Virtual:  Generation Genius  Brain Pop  Learn.genetics.utah.edu  flocabulary</p>

[7th Grade Science]  
 October-January

[Unit Title]	[Standards]	[Materials and Resources]
Unit 1 (part 2)-Human Body Systems Unit 2 (part 1)-Genetics (DNA and Heredity)	S7L2c  S7L3 a, b	Virtual: <a href="#">CK12 Body Systems and Genetics</a> (virtual Textbook) <a href="#">Eyes-Window to health</a> <a href="#">Frank Gregorio-Genetics</a> <a href="#">www.generationgenius.com</a> <a href="#">Brainpop-Genetics</a> <a href="#">Flocabulary-Genetics</a> <a href="#">Learn.genetics.utah.edu</a> <a href="#">Twww.brainpop.comhe</a> <a href="#">Amoeba Sisters-Genetics</a> <a href="#">Amoeba Sisters-CER</a> <a href="#">Amoeba</a> <a href="#">Sisters-Reproduction</a> <a href="#">Amoeba Sisters-DNA</a> <a href="#">Structure</a> <a href="#">The Blue People of KY</a> <a href="#">Mendel's Pea Plants</a> <a href="#">Brains-On-Science for Kids</a> <a href="#">Podcast</a> <a href="#">Plant Propagation</a> <a href="#">Genetics-National</a> <a href="#">Geographic</a>  Textbooks: <ul style="list-style-type: none"> <li>● Life Science Concepts and Challenges-Globe Fearon Textbook</li> <li>● Sepup Life Science Lab Aids</li> </ul>

# [7th Grade Science]

## January-March

[Unit Title]	[Standards]	[Materials and Resources]
Unit 2 part 2-Genetics (Artificial and Natural Selection) Unit 3- Classification		
Unit 4-Ecology		

[Content Title]

March-May

[Unit Title]	[Standards]	[Materials and Resources]
Unit 4 part 2-Ecology		
Unit 5-Evolution		