



**2023-2024 School Year**  
**Grade: 8th Revised May 2023**  
**Science**

<b>1st 9 Weeks (43 days) ** Goal : get through Chapter 10 by the end of December.**</b>									
<b>9 Weeks at a Glance</b>	<b>1</b> August 7-11	<b>2</b> August 14-18	<b>3</b> August 21-25	<b>4</b> August 28- Sept. 1	<b>5</b> September 5-8 (Sept. 4 - Labor Day)	<b>6</b> September 11-15	<b>7</b> September 18-21 (Sept. 22 - Teacher In-Service Day)	<b>8</b> September 25-29	<b>9</b> October 2-6
<b>Units of Instruction</b>	CH1 1.1/1.2 FORCES	CH1.3/1.4/ 1.5 Start Ch2 Less 1	Finish Ch. 2.2- 2.5	Ch 3 Lessons 3.1,3.2,.3.3 Start Ch4 4.1&4.2	Finish Ch. 4 4.3 Begin Ch. 5 5.1/ 5.2	Finish Ch 5 Lesson 5.3 Start Ch 6 Lesson 1&2	Cont. Ch 6 6.3/6.4	Finish Ch. 6 6.5 / 6.6	*Cushion week
<b>Standards that will be covered</b>	8.PS2.3 8.PS2.4 8.PS2.5	8.PS2.3 8.PS2.4 8.PS2.5 Formula: momentum= massxvelocity	8.PS2.1 8.PS2.2 8.ETS1.1 Formula:this one is not needed to cover the standard.	Ch 3 8.PS4.1 8.PS4.2 Formula: speed=wavelength x frequency Ch4 8.PS4.2 8.PS4.3	4: 8.PS4.2 8.PS4.3  5: 8.ESS1.2	Ch 5 8.ESS1.2  Ch 6 8.ESS1.2 8.ETS1.2 Formula: AU=150mill Km	8.ESS.1 8.ETS1.2	8.ESS.1 8.ETS1.2	Leave time for testing, makeups/ catchup, review, etc

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<p><b>Resources Used</b></p>	<ul style="list-style-type: none"> <li>*Pearson R&amp;R's Quiz</li> <li>*Rope Pull Lab</li> <li>*Push Pull Lab</li> <li>*I Can Statement: Students use Standards to make an I can claim...</li> </ul>	<ul style="list-style-type: none"> <li>*Pearson</li> <li>*Key concepts</li> <li>*end of chapter study guides</li> <li>*individual breakdown of Newton Laws</li> <li>*scholastic Study Jams</li> <li>*Ball Drop/Egg Drop</li> <li>*tennis ball lab</li> </ul>	<ul style="list-style-type: none"> <li>*Electromagnetic Lab</li> <li>*Research Motors (hairdryer, Washing Machine)</li> <li>*Pearson: Quizzes and Enrichments</li> <li>*Generator</li> <li>Research: Compare Watts, Hospital vs Homes</li> <li>*TVA Research: Increased vs Decreased Voltage</li> </ul>	<ul style="list-style-type: none"> <li>*Key concepts</li> <li>*Pearson</li> <li>* student models</li> <li>*S wave/Pwave acti</li> <li>*Readworks</li> <li>*Youtube "Gallopig Gertie"</li> <li>*Teacher manual labs</li> </ul>	<ul style="list-style-type: none"> <li>*4.3: Radio Waves, GPS</li> <li>Google Earth Lab, Cell Phone Application</li> <li>*Skylite App</li> <li>* Students create Constellations/ Research project</li> <li>*Seasons: Impacts Constellations</li> </ul>	<ul style="list-style-type: none"> <li>Ch 5</li> <li>*student research</li> <li>*Bay of Fundy</li> <li>*Tide Cycle activities from Pearson</li> <li>*Moon vs Tide locations</li> <li>Ch 6</li> <li>Mars vs Earth Geocentric vs Heliocentric models</li> <li>*Dwarf Planet</li> </ul>	<ul style="list-style-type: none"> <li>*6.3 Incorporate Videos: Layers of the Sun</li> <li>*Build Sun Models</li> <li>*6.4: Apply Greenhouse Effect - how heat is trapped, what happens if heat escapes</li> </ul>	<ul style="list-style-type: none"> <li>*Moons on Planets</li> <li>*Inner vs Outer</li> <li>Compare/Contrast</li> <li>*Uranus: Axis Tilt being different</li> <li>*Comets</li> <li>*Asteroids vs. Meteroids</li> </ul>	<p><b>Keep in mind Fall Break is approaching</b></p>
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Grade:

8th: Science

2nd 9 Weeks (41 days).** Goal is to get to Ch. 10 by the end of this 9 weeks.** (4 chapters left for this 9 weeks)									
9 Weeks at a Glance	1 October 16-20	2 October 23-27	3 October 30 - November 4	4 November 6- 10	5 November 13- 17	6 November 20- 21 (Nov. 22-24 - Thanksgiving Break)	7 November 27 - December 1	8 December 4-8	9 December 11- 15
Units of Instruction	Start Ch 7 6 lessons Stars, Galaxies, and Universe	Finish Ch 7	Start Ch 8 4 lessons Earth & Its Resources	Finish Ch 8	Start Ch 9 6 lessons Minerals & Rocks	Finish Ch 9	Start Ch 10 3 lessons Plate Tectonics Can Review this part at the new 9 wks as we build into 11&12	Finish Ch 10 If no time: Can combine Ch 10-12 next 9 wks	CUSHION Wk
Standards that will be covered	8.ESS1.2 8.ETS1.2	“	8. ESS2.2 8.ESS2.4 8.ESS2.5 8.ESS3.1	“	8.ESS2.3	“	8.ESS2.4 8.ESS2.5	“	Leave time for Make- up, Benchmark and Review
Resources Used	*diagram telescopes *Space Race research *NASA *Apollo Program	*research current space probes and the space stations *apparent vs absolute brightness							Winter Break is Here. :)



