

8th Grade Science - Year at a Glance

1st Semester		2nd Semester	
Unit	Weeks	Unit	Weeks
Safety	1	Earth Science	7
Chemistry	6	Interdependence Among Living Things	3
Force and Motion	4	Change Over Time	3
Universe	5	Genetics	4
SFA and Finals	1	TAKS and Finals	2
TEKS 8.2 - 8.5 Science process skills will be taught and integrated throughout all units.			

Scope and Sequence

8th Grade Science

<u>Grading Period</u>	<u>Content/Major Topics/TEKS</u>	<u>Timeline</u>
1 st Six Weeks	<u>Safety (1 week)</u> 8.1 A,B - demonstrate safe practices <i>Safety Test</i> <u>Chemistry (4 $\frac{1}{2}$ weeks)</u> 8.8 A,B - parts and properties of atoms 8.9 B,D - interpret periodic table 8.9 A,C - chemical reactions and importance of formulas and equations <u>Testing/Reteaching</u>	5 days 8 days 2 days 10 days 3 days
2 nd Six Weeks	<u>Chemistry (cont'd) (1 $\frac{1}{2}$ weeks)</u> 8.10 A,C - endothermic and exothermic reactions and specific heat <i>Performance Assessment</i> <u>Force and Motion (4 weeks)</u> 8.7 A - balanced, unbalanced forces and speed Newton's Laws 8.7 B - properties and characteristics of waves <u>Testing/Reteaching</u>	4 days 3 days 8 days 2 days 7 days 3 days
3 rd Six Weeks	<u>Characteristics of the Universe (4 $\frac{1}{2}$ weeks)</u> 8.13 A - characteristics of stars and galaxies, life cycle of star 8.13 B - light year 8.13 C - origin of the universe 8.12 A - predict lunar cycle <u>SFA and Final Exams (1 week)</u>	11 days 2 days 2 days 5 days 5 days

<p>4th Six Weeks</p>	<p><u>Planet Earth (6 weeks)</u> 8.14 A - layers of the earth continental drift processes at plate boundaries 8.12 A - predict rock cycle in plate tectonics 8.12 C, 8.14 C - modifying earth cycles, human modifications of soil, water and air quality <u>Testing/Reteaching</u></p>	<p>3 days 5 days 5 days 4 days 10 days 3 days</p>
<p>5th Six Weeks</p>	<p><u>Planet Earth (cont'd) (1 week)</u> 8.10 B, 8.12 B - interactions between solar, weather, and oceans and oceans to climate change. <u>Interdependence (2 $\frac{1}{2}$ weeks)</u> 8.6 C - interactions in ecosystems 8.6 B - feedback mechanisms and equilibrium 8.6 A - interactions in human body systems <u>Change Over Time (2 $\frac{1}{2}$ weeks)</u> 8.11 A - environmental conditions that affect survival, adaptations 8.14 B - and human contributions to extinctions of some species <u>Testing/Reteaching</u></p>	<p>5 days 5 days 4 days 4 days 8 days 4 days 3 days</p>
<p>6th Six Weeks</p>	<p><u>Genetics (3 weeks)</u> 8.11 B - inherited traits and acquired characteristics 8.11 C - possible outcomes of various genetic combinations, probability and predictions <u>TAKS and Final Exams (2 $\frac{1}{2}$ weeks)</u></p>	<p>5 days 10 days 10-15 days</p>