

### 6<sup>th</sup> Grade

Start the year with a simple Plant Energy lab.

Inq-ITS Virtual Lab	NGSS	NGSS	NGSS	Common Core ELA	Common Core Math
	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts		
Flower in Water		1-8	1,2	<i>Please note that the following ELA standards apply to all of the activities and are listed here for simplicity's sake.</i>  LITERACY.RST.6-8.3 LITERACY.RST.6-8.4 6-8.WHST.1 6-8.WHST.2 6-8.WHST.4 6-8.WHST.7	<i>Please note that the following Math standards apply to all of the activities and are listed here for simplicity's sake.</i>  6-8.MP.1 6-8.MP.2 6-8.MP.4 6-8.MP.5 6-8.MP.8
Free Fall- Energy	<a href="#">PS3-5</a>	1-8	1,2,5		
Animal Cell Energy & Storage	<a href="#">LS 1-2</a>	1-2,4,6-8	1,2,3,4,6,7		
Animal Cell Function	<a href="#">LS 1-2</a>	1-2,4,6-8	1,2,3,4,6,7		
Plant Cell Energy & Storage	<a href="#">LS 1-2</a>	1-2,4,6-8	1,2,3,4,6,7		
Plant Cell Function	<a href="#">LS 1-2</a>	1-2,4,6-8	1,2,3,4,6,7		
Genetics	<a href="#">LS3-2</a>	1-8	1,2		

### 7<sup>th</sup> Grade

Start the year with a simple Physical & Chemical Properties Lab.

Inq-ITS Virtual Lab	NGSS	NGSS	NGSS	Common Core ELA	Common Core Math
	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts		
Flower in Water OR Ramp		1-8	1,2	<i>Please note that the following ELA standards apply to all of the activities and are listed here for simplicity's sake.</i>  LITERACY.RST.6-8.3 LITERACY.RST.6-8.4 6-8.WHST.1 6-8.WHST.2 6-8.WHST.4 6-8.WHST.7 6-8.WHST.10	<i>Please note that the following Math standards apply to all of the activities and are listed here for simplicity's sake.</i>  6-8.MP.1 6-8.MP.2 6-8.MP.4 6-8.MP.5 6-8.MP.8
Density	<a href="#">PS1-2</a>	1-8	1,2		
Phase Change	<a href="#">PS1-4</a>	1-8	1,2,5,7		
Predation	<a href="#">LS2-2</a>	1-2,4,6-8	1,2,3,4,5,6,7		
Plate Tectonics: Convergent Plates	<a href="#">ESS2-3</a>	1-8	1,2,4,7		
Plate Tectonics: Divergent Plates	<a href="#">ESS2-3</a>	1-8	1,2,4,7		

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Start the year with a simple Airplane Energy Lab.

Inq-ITS Virtual Lab	NGSS	NGSS	NGSS	Common Core ELA	Common Core Math
	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts		
Flower in Water OR Ramp		1-8	1,2	<p><i>Please note that the following ELA standards apply to all of the activities and are listed here for simplicity's sake.</i></p> <p><u>LITERACY.RST.6-8.3</u> <u>LITERACY.RST.6-8.4</u> 6-8.WHST.1 6-8.WHST.2 6-8.WHST.4 6-8.WHST.7 6-8.WHST.10</p>	<p><i>Please note that the following Math standards apply to all of the activities and are listed here for simplicity's sake.</i></p> <p>6-8.MP.1 6-8.MP.2 6-8.MP.4 6-8.MP.5 6-8.MP.8</p>
Introduction to Collisions	<a href="#">PS2-1</a>	1-8	1,2,3,4,5		
Advanced Collisions	<a href="#">PS2-1</a>	1-8	1,2,3,4,5		
Inelastic Collisions - Trains	<a href="#">PS2-1</a>	1-8	1,2,3,4,5		
Introduction to Forces & Motion	<a href="#">PS2-2</a>	1-8	1,2,3,4,5		
Forces & Motion on Different Planetary Bodies	<a href="#">PS2-4</a>	1-8	1,2,3,4,5		
Free Fall- Speed	<a href="#">PS2-2</a>	1-8	1,2,5		
Introduction to Gravity & Mass	<a href="#">PS2-4</a>	1-8	1,2,3		
Orbit Distance & Gravity	<a href="#">PS2-4</a>	1-8	1,2,3		
Diversity of Traits	<a href="#">LS4-4</a>	1-8	1,2,4,6,7		
Natural Selection	<a href="#">LS4-6</a>	1-8	1,2,4,6,7		
Introduction to Seasons	<a href="#">ESS1-1</a>	1-8	1,2,3,4		
Seasons – Earth has No Tilt!	<a href="#">ESS1-1</a>	1-8	1,2,3,4		
Lunar Phases	<a href="#">ESS1-1</a>	1-8	1,2,3,4		
Eclipses	<a href="#">ESS1-1</a>	1-8	1,2,3,4		
Human Activity	<a href="#">ESS3-4</a>	1-8	1,2,4,7		