

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

Inq-ITS Virtual Lab	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts	Common Core ELA	Common Core Math
Tutorials 1-3 (Flower)		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>  <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	<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
Lunar Phases	6.1.1	1-8	1,2,3,4		
Eclipses	6.1.1	1-8	1,2,3,4		
Seasons: Introduction	6.1.1	1-8	1,2,3,4		
Seasons: Earth has No Tilt!	6.1.1	1-8	1,2,3,4		
Gravity & Mass: Introduction	6.1.2	1-8	1,2,3		
Orbit Distance & Gravity	6.1.2	1-8	1-7		
Liquid Density	6.2.2	1-8	1,2		
Phase Change	6.2.2	1-8	1,2,5,7		
Predation: Introduction	6.4.2	1-2,4,6-8	1-7		

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

Inq-ITS Virtual Lab	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts	Common Core ELA	Common Core Math
Advanced Tutorials 1-3 (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>  <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	<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
Motion & Forces: Introduction	7.1.1	1-8	1-7		
Forces & Motion: Different Planetary Bodies	7.1.1	1-8	1-7		
Collisions: Introduction	7.1.2	1-8	1,2,3,4,5		
Collisions: Advanced	7.1.2	1-8	1,2,3,4,5		
Collisions: Inelastic	7.1.2	1-8	1,2,3,4,5		
Gravity & Mass: Introduction	7.1.5	1-8	1,2,3		
Orbit Distance & Gravity	7.1.5	1-8	1-7		
Convergent	7.2.5	1-8	1,2,4,7		
Divergent	7.2.5	1-8	1,2,4,7		
Cell: Animal - Function	7.3.1	1-2,4,6-8	1,2,3,4,6,7		
Cell: Plant - Function	7.3.1	1-2,4,6-8	1,2,3,4,6,7		
Genetics	7.4.1	1-8	1,2		
Diversity of Traits	7.4.3	1-2,4,6-8	1,2,3,4,6,7		
Natural Selection	7.4.3	1-2,4,6-8	1,2,3,4,6,7		

## 8<sup>th</sup> Grade

Inq-ITS Virtual Lab	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts	Common Core ELA	Common Core Math
Liquid Density	8.1.2	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>  <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	<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
Phase Change	8.1.5	1-8	1,2,5,7		
Chemical Reactions	8.1.3	1-9	1,2,5,7		
Velocity: Free Fall	8.2.1	1-8	1,2,5		
Energy: Free Fall	8.2.2	1-8	1,2,5		
Energy & Air Resistance	8.2.3	1-8	1,2,5		
Waves on a String	8.2.4	1-8	1,2,5		
Waves in a Drum	8.2.5	1-8	1,2,5		
Waves & Thermal Energy	8.2.5	1-8	1,2,5		
Predation: Advanced	8.1.3A	1-2,4,6-8	1-7		
Cell: Plant - Energy & Storage	8.3.1	1-2,4,6-8	1,2,3,4,6,7		
Cell: Animal - Energy & Storage	8.3.2	1-2,4,6-8	1,2,3,4,6,7		