

Inq-ITS Virtual Labs, NGSS & Common Core Alignment

Inq-ITS Virtual Lab	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts	Common Core ELA	Common Core Math
General Inquiry				<i>Please note that the following ELA standards apply to all of the activities and are listed here for simplicities sake.</i>	<i>Please note that the following Math standards apply to all of the activities and are listed here for simplicities sake.</i>
Flower in Water		1-8	1,2		
Ramp		1-8	1,2		
Physical Science				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	6-8.MP.1 6-8.MP.2 6-8.MP.4 6-8.MP.5 6-8.MP.8
Phase Change	PS1-4	1-8	1,2,5,7		
Free Fall- Energy	PS3-2 and 3-5	1-8	1,2,5		
Free Fall- Speed	PS3-1	1-8	1,2,5		
Density	PS1-2	1-8	1,2		
Introduction to Gravity & Mass	PS2-4	1-8	1,2,3		
Orbit Distance & Gravity	PS2-4	1-8	1,2,3		
Introduction to Collisions	PS2-1	1-8	1,2,3,4,5		
Advanced Collisions	PS2-1	1-8	1,2,3,4,5		
Inelastic Collisions - Trains	PS2-1	1-8	1,2,3,4,5		
Introduction to Forces & Motion	PS2-2	1-8	1,2,3,4,5		
Forces & Motion on Different Planetary Bodies	PS2-4	1-8	1,2,3,4,5		
Life Science					
Animal Cell Energy & Storage	LS 1-2	1-2,4,6-8	1,2,3,4,6,7		
Animal Cell Function	LS 1-2	1-2,4,6-8	1,2,3,4,6,7		

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Plant Cell Energy & Storage	LS 1-2	1-2,4,6-8	1,2,3,4,6,7		
Plant Cell Function	LS 1-2	1-2,4,6-8	1,2,3,4,6,7		
Diversity of Traits	LS4-4	1-8	1,2,4,6,7		
Natural Selection	LS4-6	1-8	1,2,4,6,7		
Predation	LS2-2	1-2,4,6-8	1,2,3,4,5,6,7		
Ecosystems	LS2-1	1-2,4,6-8	1,2,3,4,5,6,7		
Genetics	LS3-2	1-8	1,2		
Earth Science					
Lunar Phases	ESS1-1	1-8	1,2,3,4		
Introduction to Seasons	ESS1-1	1-8	1,2,3,4		
Seasons – Earth has No Tilt!	ESS1-1	1-8	1,2,3,4		
Eclipses	ESS1-1	1-8	1,2,3,4		
Plate Tectonics: Convergent Plates	ESS2-1&2	1-8	1,2,4,7		
Plate Tectonics: Divergent Plates	ESS2-1&2	1-8	1,2,4,7		
Human Activity	ESS3-4&5	1-8	1,2,4,7		