

Physical Science

Inq-ITS Virtual Lab	Content Standards	Science & Engineering Practices	Crosscutting Concepts
Density	PS1-MS-2	1-8	1,2
Phase Change	PS1-MS-4	1-8	1,2,5,7
Collisions: Introduction	PS2-MS-1	1-8	1,2,3,4,5
Forces & Motion: Introduction	PS2-MS-2	1-8	1,2,3,4,5
Forces & Motion: Different Planetary Bodies	PS2-MS-4	1-8	1,2,3,4,5
Energy: Free Fall	PS3-MS-2	1-8	1,2,5
Velocity: Free Fall	PS3-MS-1	1-8	1,2,5
Gravity & Mass: Introduction	PS2-MS-4	1-8	1,2,3
Orbit Distance & Gravity	PS2-MS-4	1-8	1,2,3
Waves on a String	PS4-MS-1	1-8	1,2,3,4,5
Waves in a Drum	PS4-MS-2	1-8	1,2,3,4,5
Waves & Thermal Energy	PS4-MS-2	1-8	1,2,3,4,5
Chemical Reactions	PS1-MS-2 , PS3-MS-4	1-9	1,2,4,5,7

Life Science

Inq-ITS Virtual Lab	Content Standards	Science & Engineering Practices	Crosscutting Concepts
Cell: Animal - Energy & Storage	MS-LS1-2	1-2,4,6-8	1,2,3,4,6,7
Cell: Animal - Function	MS-LS1-2	1-2,4,6-8	1,2,3,4,6,7
Cell: Plant - Energy & Storage	MS-LS1-5	1-2,4,6-8	1,2,3,4,6,7
Cell: Plant - Function	MS-LS1-5	1-2,4,6-8	1,2,3,4,6,7
Diversity of Traits	LS4-MS	1-8	1,2,4,6,7
Genetics	LS3-MS	1-2,4,6-8	1,2,3,4,5,6,7
Natural Selection	LS4-MS	1-8	1,2,4,6,7
Predation	LS2-MS-1	1-2,4,6-8	1,2,3,4,5,6,7

Earth Science

Inq-ITS Virtual Lab	Content Standards	Science & Engineering Practices	Crosscutting Concepts
Seasons: Introduction	ESS1-MS-1	1-8	1,2,3,4
Seasons: Earth has No Tilt!	ESS1-MS-1	1-8	1,2,3,4
Lunar Phases	ESS1-MS-1	1-8	1,2,3,4
Eclipses	ESS1-MS-1	1-8	1,2,3,4
Convergent	ESS2-MS	1-8	1,2,4,7
Divergent	ESS2-MS	1-8	1,2,4,7

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Science ISAT-Alt Extended Content Objectives

All Labs	7.NS.1.2.2 A
Phase Change	7.S.2.1.2 A
Genetics	7.B.3.3.4A