

General Inquiry

Inq-ITS Virtual Lab	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts
Tutorials 1-3 (Flower)		1-8	1,2,7
Advanced Tutorials 1-3 (Ramp)		1-8	1-5,7

Physical Science

Inq-ITS Virtual Lab	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts
Velocity & Energy	4 PS3-1	1-8	1-7
Energy & Collisions	4-PS3-3	1-8	1-7
Phase Change	5 PS 1-2	1-8	1-7
Gravitational Forces	5 PS 2-1	1-8	1-7

Life Science

Inq-ITS Virtual Lab	Disciplinary Core Ideas	Science & Engineering Practices	Crosscutting Concepts
Trait Inheritance	3 LS 3-1	1-8	1,2,6,7
Advantageous Characteristics	3 LS 4-2	1-8	1,2,4,6,7
Habitat Survival	3 LS 4-3	1-8	1,2,4,6,7

Crosscutting Concepts:

1. Patterns
2. Cause & effect
3. Scale, proportion, & quantity
4. Systems & system models
5. Energy & matter
6. Structure & function
7. Stability & change