



Spinning Energy - Curriculum Connections

Suggested Grades: K, 1, 2, 3, 4

Curriculum Connections: Matter (2), Energy (K, 1, 3, 4), Computer Science (K-1), Scientific Methods (1)

Specific Learning Outcomes:

Kindergarten

- *Energy* - Children explore movement of objects, humans, and other animals (objects).
- *Computer Science* - Children interpret instructions in various environments.

Grade 1

- *Energy* - Students investigate direction, pathway, and speed of moving objects and animals (speed and direction of objects).
- *Computer Science* - Students follow instructions and relate them to outcomes.
- *Scientific Methods* - Students engage in and describe investigation (make predictions and observations).

Grade 2

- *Matter* - Students investigate properties of materials and relate them to a purpose (combine materials to create an object for a specific purpose).

Grade 3

- *Energy* - Students investigate and explain how forces affect the movement of objects (applied force, friction).

Grade 4

- *Energy* - Students investigate how forces can act on objects without contact (gravity).