

CIBL Student Activity Packs

Elementary - N.C.S.S.

K-5



Engineering

Students will experience the engineering design process as they make parachutes, build and launch a catapult, and design a marble maze.

These activities provide opportunities for literacy and math connections, and can be used to address the following science standards:

K.P.1.1, K.P.1.2
1.P.1.3
3.P.1.1, 3.P.1.2
5.P.1.4

Ecosystems

- 5.L.2.1 Compare the characteristics of several common ecosystems, including estuaries and salt marshes, oceans, lakes and ponds, forests, and grasslands.
- 5.L.2.2 Classify the organisms within an ecosystem according to the function they serve: producers, consumers, or decomposers.
- 5.L.2.3 Infer the effects that may result from the interconnected relationship of plants and animals to their ecosystem

Weather

- 5.E.1 Understand weather patterns and phenomena, making connections to the weather in a particular place and time.
- 5.P.2 Understand the interactions of matter and energy and the changes that occur.

Force & Motion

- 5.P.1.1 Explain how factors such as gravity, friction, and change in mass affect the motion of objects.
- 5.P.1.2 Infer the motion of objects in terms of how far they travel in a certain amount of time and the direction in which they travel.
- 5.P.1.3 Illustrate the motion of an object using a graph to show a change in position over a period of time.
- 5.P.1.4 Predict the effect of a given force or a change in mass on the motion of an object.

5th Grade



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