

UNDER PRESSURE

*Join Bernoulli as we take an exciting look at the science behind air pressure. Create a whirlwind with an Airzooka vortex generator, and make pucks and balls levitate with air pressure! Launch foam rockets with the **Air Blaster** kit.*

SUMMARY:

Under Pressure is an exciting immersion in the science of air pressure and Bernoulli's principle. Children enjoy the exciting tale of the Viking ship while learning about thermodynamics and weather systems. A hopping, hovering table tennis ball lets children experiment with unbalanced air pressure. Air-blasting Airzookas are a fun way to understand the physics of breathing. Children apply their knowledge to overcome gravity using compressed air, and they will take home their very own Air Blaster foam launchers.

EDUCATIONAL VALUE:

Under Pressure introduces children to the exciting science of air pressure and a host of associated scientific concepts including aerodynamics, the science of flight, thermodynamics, and Bernoulli's principle. Children learn that air is all around us, and vital to life on Earth.

TAKE-HOME MESSAGE:

- 1 The air around Earth pushes on us. It is called the atmosphere.
- 2 High-pressure air moves towards low-pressure air until they balance.
- 3 Bernoulli's principle states that the faster a gas flows, the less it pushes.

TAKE-HOME PRODUCT:

Air Blaster

NORTH CAROLINA ESSENTIAL STANDARDS:

- 3.P.2.1 Recognize that air is a substance that surrounds us, takes up space and has mass.

