K20 ILI

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Natural Phenomenon Around Us

Individual Performance

Using 5 breathes

inflate the bag

as much as you can.

Bag Individual Performance

- What **Patterns** do you **observe** when you blow into the bag?
- **Develop a model** (sketch/draw) that showcases your **observations** of the **system**. Document **anything going into the system** or **going out of the system.**

Individual Performance

Holding the bag further back from your mouth blow one big breath into the bag.

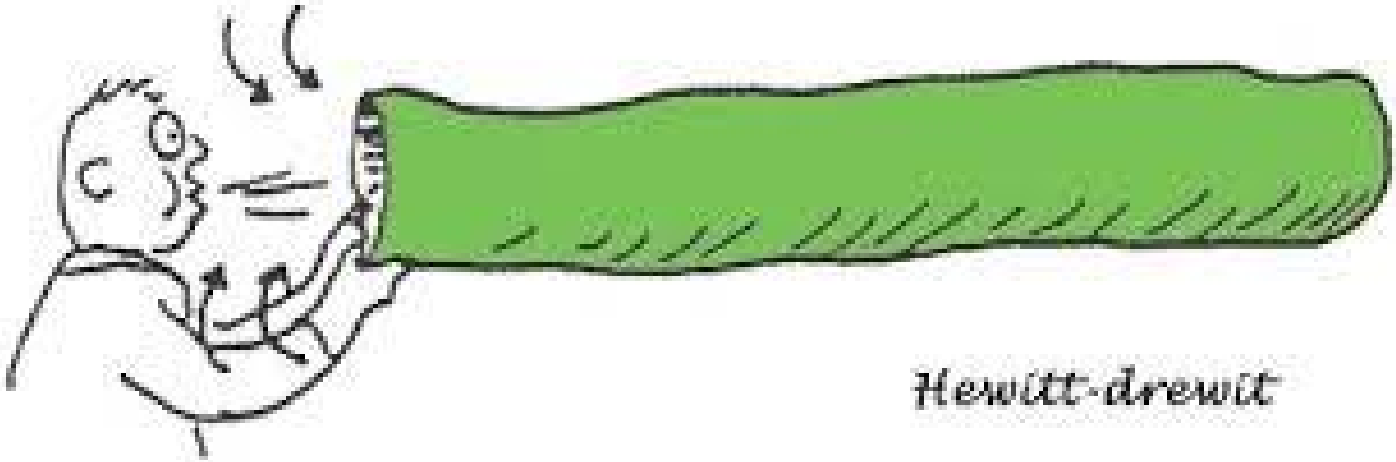
Bag Individual Performance

- What **Patterns** do you **observe** when you blow into the bag?
- **Develop a model** (sketch/draw) that showcases your **observations** of the **system**. Document **anything going into the system** or **going out of the system.**

Group Performance Task

- Use the **model** (Sketch/Draw) to **explain** what is **causing** the **observation** about the **system**.
- If you use “Science Terms” explain what you mean to your group.

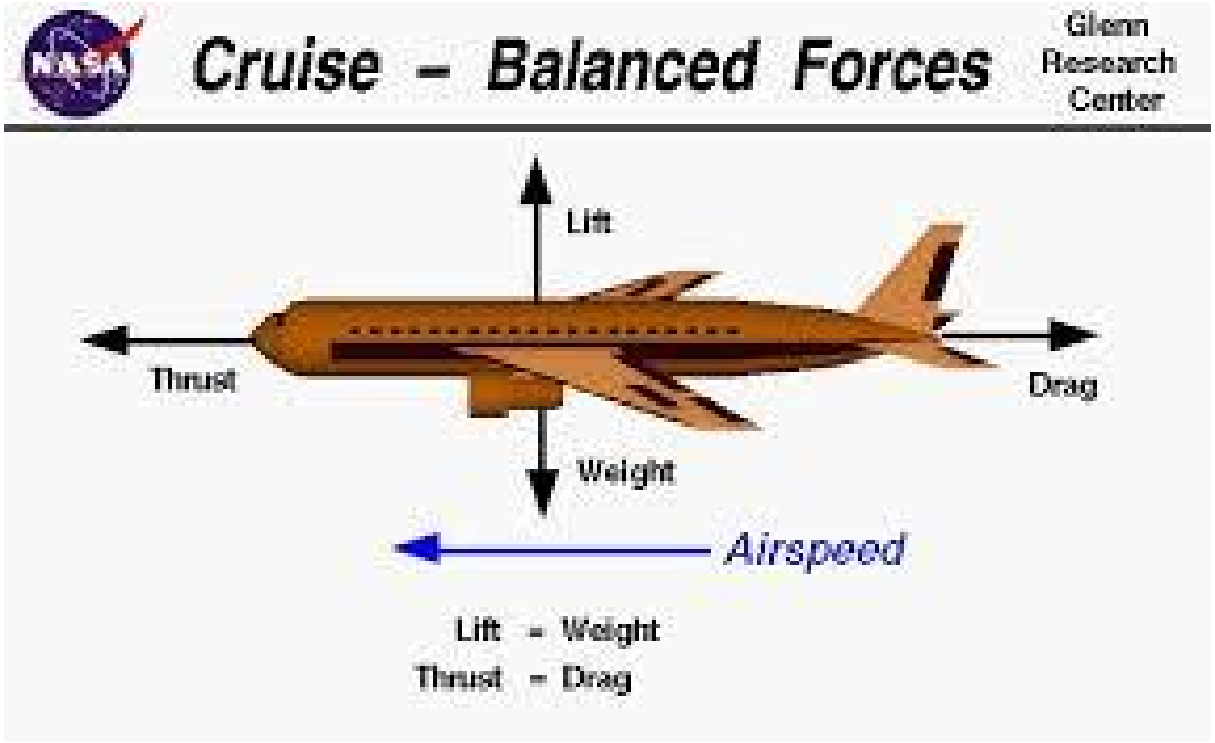
Bernoulli’s Principle



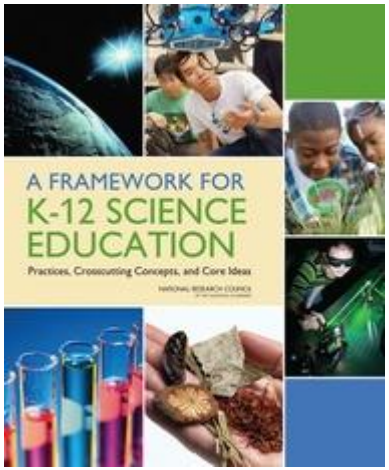
Real World Application

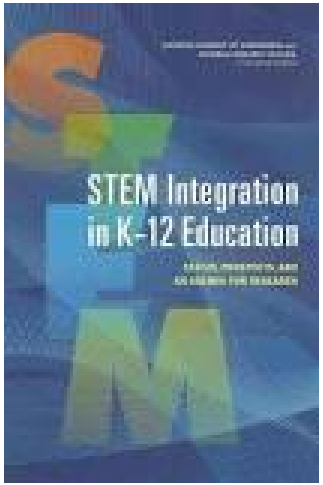
Firefighters use Bernoulli's principle to quickly and efficiently force smoke out of a building. Instead of placing the fans up against the doorway or window, a small space is left between the opening and the fan in order to force a greater amount of air into the building. Firefighters call this “Positive Air Flow.”

Technology Incorporation



Science Resources-Take a Closer Look





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