

**Unit Issue** Provides context for relevant and connected anchoring and investigative phenomena within the unit.

Different materials have different properties, and these properties affect their usefulness and impact on the environment. What are the environmental impacts of producing, using, and disposing of materials?

**Unit Phenomena** What can we observe in science that makes us wonder?

Materials like plastics, metals, and glass are all useful, but they can also affect the environment.

Even though we can't see atoms, they make up all the stuff around us.

Some substances, such as water, can exist as a solid, liquid, or gas.

**Activities** Students use SEPs and understanding of DCIs and CCCs to explain, justify, and argue a point of view about the issue.

investigating materials & elements

physical & chemical properties

determining density

evaluating properties of materials

modeling molecules

investigating energy & particle movement

modeling state changes

making & modeling polymers

impact of plastics on society