SCIENCE GRADE 2 Unit 3 Changes to Matter 2017

Content Area: **Science**
Course(s): **Generic Course**
Time Period: **Marking Period 2**
Length: **January February**
Status: **Published**

Established Goals/Standards

Please choose the appropriate Goals/Standards from the Standards tab above.

SCI.2.2-PS1-4	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.
SCI.2.2-PS1-3	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- Can all changes caused by heating or cooling be reversed?
- In what ways can an object made of a small set of pieces be disassembled and made into a new object?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- Are all changes reversible?
- How can objects change?
- Students are also expected to use these practices to demonstrate understanding of the core ideas.
- Students are expected to demonstrate grade-appropriate proficiency in constructing explanations, designing solutions, and engaging in argument from evidence
- Students will recognize that some changes caused by heating or cooling can be reversed and some cannot, and they can use evidence from their investigations to support their thinking.

Content

Students will be able to:

- Objects may break into smaller pieces and be put together into larger pieces or change shapes.
- Different properties are suited to different purposes.
- A great variety of objects can be built up from a small set of pieces.
- People search for cause-and-effect relationships to explain natural events.
- Events have causes that generate observable patterns.

- Heating or cooling a substance may cause changes that can be observed.
- Sometimes these changes are reversible, and sometimes they are not.

Resources

ActivWall

Science textbook:

Student text

Activity cards

Nonfiction leveled readers

Nonfiction trade books

unitedstreaming.com

https://learningcenter.nsta.org/products/symposia_seminars/NGSS/webseminar16.aspx