

### #1: HOW DO SYNTHETIC MATERIALS IMPACT SOCIETY?

#### Utah SEEd Standard

- **8.1.4** - Obtain and evaluate information to describe how synthetic materials come from natural resources that undergo a chemical process that changes their molecular structure, what their functions are, and how society uses these new materials. Examples of synthetic materials could include medicine, foods, building materials, plastics, and alternative fuels.

#### NGSS Standard

- **PS1.A** - Each pure substance has characteristic physical and chemical properties (for any bulk quantity under given conditions) that can be used to identify it.

#### Utah Social Studies Standard

- **U.S. I Standard 1.1** - Students will analyze evidence, including artifacts and other primary sources to make evidence-based inferences about life among several American Indian nations prior to European exploration of the Americas.

#### ELA Standards

- **Writing Standard 1:** Write arguments to support claims with clear reasons and relevant evidence.
- **Speaking & Listening Standard 1:** Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues, building on others' ideas and expressing their own clearly.

### #2: WHAT DO THE ARTIFACTS FROM RANGE CREEK TELL US ABOUT THE PEOPLE WHO LIVED THERE?

#### Utah Social Studies Standard

- **U.S. I Standard 1.1:** Students will analyze evidence, including artifacts and other primary sources to make evidence-based inferences about life among several American Indian nations prior to European exploration of the Americas.

#### NGSS Science and Engineering Practices

- **Obtaining, Evaluating, and Communicating Information** - Communicate scientific and/or technical information (e.g. about a proposed object, tool, process, system) in writing and/or through oral presentations.

#### ELA Standards

- **Writing Standard 1:** Write arguments to support claims with clear reasons and relevant evidence.
- **Language Standard 4:** Determine or clarify the meaning of unknown and multiple-meaning words or phrases based on grade 8 reading and content, choosing flexibly from a range of strategies.