

## Creating a STEM Centric Unit Brainstorming Template

The organizer below outlines a brainstorming approach for creating a STEM centric unit.

Unit Title: \_\_\_\_\_

### **Content Standards and STEM Standards of Practice**

Identify content standards that will be addressed in the unit. STEM Standards of Practice are used with content standards to guide the instructional approach.

### **Real World Connections**

Develop a complex question or identify a global issue, challenge, or real world problem that relates to content standards.

### **Connection to Science, Technology, Engineering, and Mathematics**

Select standards and skills from science, technology, engineering, and/or mathematics disciplines that are necessary for addressing the real world connection.

### **STEM Career Connections**

- Identify STEM careers that relate to content topics or learning activities.
- Allow students to research identified STEM careers.

### **5E Model for Integrated STEM Instruction**

- Include multiple lesson topics that can be used to support students' understanding of content and the real world connection.
- Describe the product, model, or action students will produce or perform to address the real world connection.