# Integrated Content Areas

## Standards

How do the standards in these content areas inform one another?

## Learning Objectives

How do your lesson objectives address standards in each content area?

## Key Terms

What key terms will students be able to articulate by the conclusion of this unit?

## Process Based Thinking

Which process will students use to solve problems during this unit? Examples include: Design Thinking, Engineer Design Process, Claim Evidence Reasoning

## Formative Assessment

- What strategies will be used to measure student understanding?
- What open-ended questions will you ask to assess student mastery of content?
- Are assessment strategies present for all content areas?
- Do assessments clearly reflect the learning objectives?

## Summative Assessment

What are the criteria for success in the summative assessment task?
### Community Connections and Partners

*Who in your community might you partner with?*

*Is there a real world connection?*

### Materials and Resources

*What materials are needed?*

*What websites or other resources will you use?*

### Lesson Procedures

#### Real World Hook/ Introduction

*How will you engage the students? What is the real world “hook” that will intrigue their interests?*

#### Student Engagement through Process Based Thinking

*What will students be asked to do in each step of process based thinking? What will students write and/or draw in their STEM Journals for each step?*

*How will students connect new information to what they already know?*

*In what ways will the student engagement allow for open-ended exploration and inquiry?*

### Student Presentation

*How will students share their findings? What form of presentation will they use?*

*Which community partners might provide feedback?*

### Student Reflection

*How will you help students summarize their efforts in this unit and pose questions that will lead to the next one?*