



Environmental/Agricultural Sciences and Engineering (EASE)

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Engineering Process

Investigation

- Define the term “engineer”
- Identify the steps in the engineering process

Experimentation

- Identify a problem you have in your own yard or community

Scientific Method

Investigation

- Define the term “scientist”
- List the steps of the scientific method

Experimentation

- Make a hypothesis about why something in the natural environment of your surroundings occurs

Natural Resources (soil, water, air, biodiversity)

Investigation

- Identify the components of the water cycle
- Describe the characteristics of soil
- Define the term “biodiversity”

Experimentation

- Visualize and diagram the water cycle in your own yard or community when it rains
- Evaluate biodiversity in your own yard or community



Sustainability (climate, energy, human impacts)

Investigation

- Define the term “sustainability”
- Differentiate between renewable and non-renewable resources
- Explain the difference between weather and climate

Experimentation

- Evaluate the carbon footprint of your daily activities

Communication (understanding)

Investigation

- Differentiating between fact and opinion

Experimentation

- Explain the difference between facts and opinions
- Check facts using trustworthy sources

Food Systems

Investigation

- Define food system
- Define supply chain

Experimentation

- Compare and contrast food systems and labor resources needed

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