## Earth Force Process and NGSS Practices

**STEP 1: DISCOVER**
**COMMUNITY ENVIRONMENTAL INVENTORY**

Planning and carrying out investigations, developing and using models: During the Community Environmental Inventory step, students *plan and carry out investigations* regarding environmental phenomena in their community. This step can also include the *development and use of models*.

**STEP 2: DECIDE**
**ISSUE SELECTION**

Analyzing and interpreting data, asking questions and defining problems, using math and computational thinking: As students enter the issue selection phase they *analyze and interpret the data* collected in the inventory stage. Based on the evidence they *ask questions* about the phenomena they observed and *define the problem* they would like to solve.

**STEP 3: DISCOVER**
**POLICY AND COMMUNITY PRACTICE RESEARCH**

Obtaining, evaluating, and communicating information: Once an issue has been determined, students *obtain information* about policies and potential solutions, *evaluate* their strengths, and *communicate information* about findings.

**STEP 4: DECIDE**
**GOAL AND STRATEGY SELECTION**

Constructing explanations and designing solutions, engaging in an argument from evidence: In this step students *construct an explanation* of the issue and *design a solution*. Students *engage in an argument from evidence* to identify the strengths and weaknesses of their solutions.

**STEP 5: ACT**
**PLANNING AND TAKING CIVIC ACTION**

Obtaining, evaluating, and communicating information: In the final steps students must *obtain information* on executing their plan, *evaluate* the outcomes, and *communicate* their plan to their peers and community.

### NGSS Practices

- Asking questions and defining problems
- Obtaining, evaluating, and communicating information
- Constructing explanations and designing solutions
- Planning and carrying out investigations
- Analyzing and interpreting data
- Engaging in an argument from evidence
- Using mathematics and computational thinking
- Developing and using models