



# National Standards Alignment for 79815 Food Deserts Challenge

## Next Generation Science Standards

### Matter and Its Interactions

**5-PS3-1** Use models to describe that energy in animals' food (used for body repair, growth, and motion and to maintain body warmth) was once energy from the sun.

### From Molecules to Organisms: Structures and Processes

**5-LS1-1** Support an argument that plants get the materials they need for growth chiefly from air and water.

### Ecosystems: Interactions, Energy, and Dynamics

**5-LS2-1** Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment

### Engineering Design

**3-5-ETS1-1** Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.

**3-5-ETS1-2** Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.

**3-5-ETS1-3** Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.

## Science and Engineering Practices

Practice 2: Developing and Using Models

Practice 6: Constructing Explanations and Designing Solutions

Practice 7: Engaging in Argument from Evidence

## CCSS Mathematics

### Number & Operations in Base Ten

**5.NBT.A.1** Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.

**5.NBT.A.4** Use place value understanding to round decimals to any place.

### Measurement & Data

**5.MD.C.3** Recognize volume as an attribute of solid figures and understand concepts of volume measurement.

## Standards for Mathematical Practice

**MP1** Make sense of problems and persevere in solving them.

**MP3** Construct viable arguments and critique the reasoning of others.

**MP7** Look for and make use of structure.

## CCSS English Language Arts

### Writing

**W.5.1** Write opinion pieces on topics or texts, supporting a point of view with reasons and information.

**W.5.2d** Use precise language and domain-specific vocabulary to inform about or explain the topic.

### Speaking and Listening

**SL.5.1** Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly.

**SL.5.3** Summarize the points a speaker makes and explain how each claim is supported by reasons and evidence.

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