

# Economics I

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ELC-5021

## NGS Standards

### **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.

### **MS-ETS1-1**

Define the criteria and constraints of a design problem with sufficient precision to ensure successful solution, considering relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.

### **MS-ETS1-2**

Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.

### **MS-ETS1-3**

Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.

### **MS-ETS1-4**

Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.

## Common Core Standards

### Language

**SL.8.5** Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.

### Math

**6.EE.B.6** Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set.

**7.EE.B.4** Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.

### Science

**RST.6-8.1** Cite specific textual evidence to support analysis of science and technical texts.

### Social Studies

**WHST.6-8.2** Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.

#### **RH.6-8.3**

Identify key steps in a text's description of a process related to history/social studies

#### **RH.6-8.5**

Describe how a text presents information (e.g., sequentially, comparatively, causally).

#### **WHST.6-8.1**

Write arguments focused on discipline-specific content.

#### **WHST.6-8.2**

Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.

**WHST.6-8.8**

Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism .