

Standards Referenced

Next Generation Science Standards

Earth and Human Activity

- (HS-ESS3-1): Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

Inheritance and Variation of Traits

- (HS-LS1-3-2): Make and defend a claim based on evidence that inheritable genetic variations may result from: (1) new genetic combinations through meiosis, (2) viable errors occurring during replication and/or (3) mutations caused by environmental factors.

National Health Education Standards — American Cancer Society

Using Communication Skills to Promote Health (NPH-H.9-12..5): Students will demonstrate the ability to use interpersonal communication skills to enhance health.

Common Core State Standards for Math

Statistics and Probability: S-ID Interpreting Categorical and Quantitative Data: Summarize, represent and interpret data on a single count or measurement variable

- S-ID Interpret linear models
 - S-ID-1: Represent data with plots on the real number line (dot plots, histograms and box plots).
 - S-ID-2: Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.
 - S-ID-7: Interpret the slope (rate of change) and the intercept (constant term) of a linear model in the context of the data.
 - S-ID-9: Distinguish between correlation and causation.
- S-IC Making Inferences and Justifying Conclusions
 - Understand and evaluate random processes underlying statistical experiments.



Standards Referenced

Functions: Interpreting Functions

- F-IF-4: Interpret functions that arise in applications in terms of context.

Common Core Standards for English Language Arts

- Text Types and Purposes
 - Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details and well-structured event sequences.
- Integration of Knowledge and Ideas
 - Analyze how two or more authors writing about the same topic shape their presentations of key information by emphasizing different evidence or advancing different interpretations of facts.

National Social Studies and History Standards — National Council for Social Studies

Markets — Price and Quality Determination (NSS-ED.9-12.7): Markets exist when buyers and sellers interact. This interaction determines market prices and thereby allocates scarce goods and services.

Role of Price in Market System (NSS-ED.9-12.8): Prices send signals and provide incentives to buyers and sellers. When supply or demand changes, market prices adjust, affecting incentives.

NSS-G.K-12.1 The World in Spatial Terms: Understand how to use maps and other geographic representations, tools and technologies to acquire, process and report information from a spatial perspective.

Career Development (Asca: American School Counselor Association National Standards For Students)

Develop Career Awareness (C:A1)

- C:A1.2: Learn about the variety of traditional and nontraditional occupations.

