

7.4.4 e2 Selecting Traits Narrative

Time: 40-50 minutes	Anchor Phenomena: Why have dogs of the same breed look so different than they did 100 years ago?
Big Idea: Humans use technologies to select desired traits in organisms.	
CCCs Cause and Effect	Practices Obtaining, evaluating, and communicating information

EPISODE SNAPSHOT: Students **obtain, evaluate and communicate** other ways humans have influenced the traits of other organisms by doing a jigsaw activity.

Gathering

Show students a picture of the giant pumpkin. Ask the question, "Have pumpkins always been this big?" Students will verbalize their ideas. Pass out or display the article "Growing Giant Pumpkins" to read with the students. After reading, explain that students will research other organisms that humans have selectively bred. If computers are not available, teacher can print off articles for groups to read. Assign 5-6 students per HOME GROUP. Within each home group, assign each person a number 1-6. These students will be "experts" on an organism. The experts will meet together and do research for their assigned organism, approx. 15 minutes.

Reasoning

Before returning to their home groups, expert groups must be able to explain how changes (causes) to their organism has impacted (affected) the organism and human society over time.

Communicating

Students will return to their original homegroups. Each expert will report on their organism while the other students take notes.

Assessment: Students can explain how humans have impacted another species through selective breeding and how that selection has helped human society.	Materials, resources, handouts, etc: <ul style="list-style-type: none"> • Computers • 7.4.4 e2 SelectingTraits • 7.4.4 e2 GreatPumpkinArticle • 7.4.4 e2 GiantPumpkinImagePPT • 7.4.4 e2 SelectingTraitsResearchGuide • http://abcnews.go.com/Technology/growing-giant-pumpkins/story?id=12005986
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