

This Week in Science: # 24

Name:

Dates:

“If you agree that the capacity of the Earth is big, but finite, then we can ask the next question:
How many people can the Earth hold? That is not an easy question to answer.”

Dr Matt McConeghy, Department of Science, Johnson & Wales University

Terms: Photosynthesis, controlled variable, manipulated variable, responding variable, carrying capacity

Monday: Activity: Lesson 81, Part 2 (A Producer's Source of Energy) & “Photosynthesis” Video

Learning Target: I can design and conduct an experiment according to the provided “Experiment Plan”

Conceptual Question: What is your prediction to the experiment you designed?

What's Due: Nothing

Tuesday:

Activity: Lesson 85 (Is There Room for One More?)

Learning Target: I can identify and describe the factors that determine the carrying capacity for a species, and propose reasons for its change.

Conceptual Question: What is carrying capacity and what affects it?

What's Due: Lesson 81: Analysis #1-6 & “Experiment Plan”

Wednesday:

Activity: Begin Lesson 82 (The Cells of Producers)

Learning Target: I can describe the structure in plants which are important for photosynthesis

Conceptual Question: How do plant cell structures relate to their function as producers?

What's Due: Lesson 85: Analysis #1-3

Thursday: Guest Teacher

Activity: Finish Lesson 82 (The Cells of Producers)

Learning Target: I can describe the structure in plants which are important for photosynthesis

Conceptual Question: How do plant cell structures relate to their function as producers?

What's Due: Lesson 82: Analysis #1-6, all parts

Friday: Guest Teacher

Activity: Group Research Project; your last in-school work session

Learning Target: We will make sure all of the requirements have been met and are ready to present on Monday, March 3rd

Conceptual Question: Have we met all of the requirements, and are we ready to present? If not, what is our plan for the weekend?

What's Due: Nothing

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Answers to Conceptual Questions:

Monday:

Tuesday:

Wednesday:

Thursday:

Friday: