

Objective: NCSCOS 7.01, 7.02, 7.03, 4.05

Unit: 1- Living Things in the Ecosystem

Technology Objective: Gaming// Programming

Essential question: List the different levels of the ecosystem and give an example on each level, Describe the necessary items needed for different organisms to survive in their ecosystem, Explain what would happen if the different organisms became unable to fulfill their part of survival in the ecosystem,

PD#:

Materials: Laptop cart, Internet, Ecosystem Supplemental reading, evaluation forms, rubric

Duration: 3 days

DAY 1

1

Activating Activity: List/ describe/ write down all the things that you need to survive in your environment (**ENGAGE** the students to draw on their prior knowledge and connection of the world)

Guided Practice: Show examples of a list of personal needs. Animate that list with an Alice world (*this will help scientifically EXPLAIN the needs of people and the ecosystem to fit the knowledge the students already know*).

Independent Activity: students will draw/ map out their lists of things they need on a day to day basis (*they should EXPLORE the concept as they believe it true- according to their personal experiences and phenomena*). With the completed concept maps/ lists, students will create an Alice world to compliment/ complete their knowledge of needs.

Modification: students who are less artistic can write out each frame of what they would like to see happen with their world. Students who have an extended vision can do more than one list/ drawing.

Summary: Our ecosystem has many activities that occur constantly throughout the day and night. Some of those things are needs, others are wants. (**ELABORATE** on unique circumstances and give the students enough information and ideas for them to research the concept on their own).

Assessment: Re-visit the ecosystem and its levels. ask the students to add any other necessities and get rid of things that are optional. (**EVALUATE** the students who have already picked up on the concept and those that may need more intense clarification).

Homework: students are to complete their comic strips and add extra/ additional information that they may see happen tonight or hear from their parents.