Mary Elizabeth Williams

IDT 3600

1. Lesson Plan 1: Collecting Biological Phenomena in Everyday Life

* What technology is needed?
  + There are two types of technology that is need for this lesson plan. The first is a cellular phone that is able to take and store photographs. The cellular phone can be a smart phone or a basic phone. The next type to technology that is needed is a computer that is able to obtain Internet connection.
* What age is this lesson plan appropriate for?
  + This lesson plan is appropriate for students that are in the 6-12 grades. This activity is more geared toward the students who have cell phones and the access to a computer.
* How would the lesson be used?
  + This lesson will be used to help aid in the teaching of science and biology to middle and high school students. Many students do not notice their surroundings very often, especially the insects and wildlife that surrounds us everyday. With this lesson, the students are taking a few extra moments to glance down as they walk or watch or birds to fly past their bedroom window. This lesson will not only help the students to become more familiar with the biology outside their window, but it will also be a fun new way of exploring and using technology as a part of the schools curriculum.
* What benefit does it have for students?
  + By using this technology, the students gain many new skills. For the younger grades, the students many not know how to fully use technology and may learn how to upload photos and use them to conduct compare and contrast tables with other students. Another benefit to all of the students is that they will be able to really dive into learning about the biology that surrounds them that they might not have ever known about. The different types of animals and insects in our area are outrageous! Many different species of biology are in our backyard. This lesson plan helps students to dive into learning in a fun way that they can understand.
* What benefit does it have for teachers?
  + The benefits for teachers are limitless! By asking the students to take part in working with their phones and computers is not hard at all. Students jump at the chance to pull out their phone or laptop and work on something. By integrating the idea of technology and learning in the school system, the learning chances raise dramatically. Students find that lecture, books, and worksheets are not fun. But incorporating fun with learning is great! The idea that the children have to stop and take a picture of living things for school is amazing! This will make them aware that school is not just about memorizing facts and turning in projects. There can be fun in schools! Because of this, the teacher will benefit because the students will enjoy the project, want to learn more, and continue to conduct any research that their teacher asks of them.

1. Lesson Plan 3: Periodic Table Ringtones and Review

* What technology is needed?
  + The technology that is needed includes a cell phone. The cell phone must be able to take pictures and make calls. The students must also have access to a computer that has Internet access.
* What age is this lesson plan appropriate for?
  + This lesson plan is appropriate for students in grades 6-12. The reason for this is so that the student will have cell phone and computer access.
* How would this lesson be used?
  + This lesson will be used to help the students remember the periodic table. The purpose of this lesson plan is for the students to get the chance to create review songs, raps, or chants so they can have a fast review for the test or a quiz anytime someone calls.
* What benefit does it have for students?
  + The students will benefit from this by continually hearing test review being played anytime someone sends them a text message or gives them a phone call. This is a great benefit because the more that the students listen and learn the material the better the chance of doing well on the test. During the exam, the students and repeat the song or chant in their head so they can remember material.
* What benefit does it have for teachers?
  + The benefit that this will have for teachers is that teachers will not have to continue to go over the same material all the time. With this activity, the students will hear and learn the material faster and easier than just listening to the teacher lecture. This is another benefit because the teacher will not have to plan more than one lecture on a subject. The students will love that topic and will be making creative chants to learn the material faster.