

**Objective:** to connect science, technology, and art together for 2nd grade and give the students a better understanding of an animals habitat and its surroundings.

**Materials:** computer or computer lab, lap top, or tablets, question sheet/fact finding sheet, pencil, paper, shoe box, construction paper, glue, scissors, crayons, stickers, plastic animals, markers, modeling clay, any household items parents give permission to use.

**Part 1:** Tell students they are going to research about small mammals. Bring together students and talk about what makes a mammal. Our classroom pet is a hamster (Humphrey) and explain that he is a mammal. Make a list of different mammals that the kids can see.

**Part 2:** We are going to choose a mammal to research. We are keeping our mammals to the location of the North American Continent. (If you have 20 students have at least 30 different mammals to choose from, they can also be aquatic) . Once students have chosen their animals, choose a time to take them to the computer lab to research.

**Part 3:** Using google search engine, have students search their mammal. Answering the questions on the fact finding sheet.

**Part 4:** Using their fact finding sheet the student will then create the shadow box or diarama for the S.T.E.A.M part of the project. The will have a sheet to fill out that will list their animal, and the materials that they use to create their project. The teacher will need to set the due date. I generally give my 2nd graders a week to complete the S.T.E.A.M part of the project.( science, technology,engineering, art, math) I do not give them guidelines except that they must take video or pics of themselves creating their projects. They will use their fact finding sheet to help make their projects.

**Part 5:** Present their projects to the class. They will also at the same time give an oral report using their fact finding paper to tell about their Mammal in detail and what type of habitat it needs. Etc. they will be given two different grades for this assignment. A science grade and a reading grade for the presentation. (Oral presentation is part of the Oklahoma Academic Standards)