



Yellow Cedar Activity: STEM Activities

Animal Eyes by Francoise Vulpé

Name: _____ 1

1. Conduct an inquiry about one of the species in the book and how it sees the world. Follow the steps of scientific research listed below.

How will you plan out your inquiry?
What will you record?
What do you notice that is interesting?
How will you share your findings?

2. Draw a diagram or create a model to support your findings during your inquiry in question 1.

3. Imagine a new species is discovered in the world (deep in the ocean or high on a mountain or isolated in a jungle). Write a short profile of the species, including what it is like, its habitat, whether it is prey or predator, what it eats, and so on. Then use some of the eye design strategies mentioned in the book to design an ideal eye for your species.

For example, predators have eyes on the front of their head for depth perception, while prey often have eyes on the side of their head to spot movement from a broader visual field. Or animals high off the ground tend to have vertical slits while animals close to the ground have horizontal slits. Does your species require reflective lens to increase the amount of light, or narrow slits to constrain it?