SCIENCE BACKGROUND

An object can be seen when light reflected from its surface enters the eyes. Animals have internal and external body parts, such as eyes, ears, a brain, a heart, and many others, which capture and convey different kinds of information. These internal and external structures serve various functions in growth, survival, behavior, and reproduction. Different sense receptors are specialized, which may be then processed by an animal’s brain. Animals are able to use their perceptions and memories to guide their actions. In humans, the optic nerve sends signals from the eye to the brain, which then interprets what we see.

I CAN STATEMENT

✓ I can use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.

NEXT GENERATION SCIENCE STANDARDS CONNECTION

4 – Structure, Function, and Information Processing