

**WEEK SIX**

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### **Chapter 3**

Read and discuss Chapter 3 – How Your Eyes Work. Ask your child to help you to find items in the pictures illustrating that Timothy’s family is Catholic.

Ideas for Enrichment:

Obtain a book from the library on the eye. In addition, pamphlets from an eye doctor can offer colorful pictures and tips on caring for the eyes.

Have your child investigate the various colors human eyes can be. Have him draw and color the eyes of each member of the family, using correct colors. In addition, your child might like to make a poster showing the Five Rules of Good Eye Care.

Obtain books from the library about owls, cats, and other animals that can see well in dim light.

Science activity: Twist Tie Magnifier: Get a twist tie, like one ones used to close a trash bag. Take one end and bend it over to make a very small circle. Wrap this end around the part of the twist tie that the end is touching in order to make a complete circle or loop. Dip the twist tie loop into some water. Water should stay in the loop; if not, make the loop smaller until it does. Use the water-filled-loop to magnify letters on a newspaper. If the water is more domed [like a dome-shape], look at the newspaper letters through both sides of the loop. Tell how the less-domed-side affects the size of the newspaper letters.

Science activity: Plastic Bag Magnifier: Use a sandwich-size plastic bag that zips securely. Make sure the bag does not have any leaks.

Fill the bag with water and zip it securely. There will be an air bubble in the bag of water. You can use the area of the bag where the air bubble is to compare the water-magnified newspaper print to the part where there is no water.

This plastic bag becomes a large lens/magnifier. Place the plastic bag magnifier on a piece of newspaper. See how this water lens affects the size of the newspaper print. Move the print under where the air bubble is and compare how the newspaper print look with the water lens/magnifier, and how it looks without the lens.

Consider reading the story about Jesus curing the man born blind, in the Gospel of St. John, chapter 9. There are many stories about Jesus giving sight to the blind. In St. Mark, chapter 10, verses 46 to 52 is an especially appealing story as we read the plea, “Rabboni, that I may see!”

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**WEEK EIGHT**

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### **Chapter 4 : The Wonder of Sound**

Read and discuss Chapter 4. During a storm, note the difference in time between the lightning and the thunder.

Ideas for Enrichment:

Obtain a book from the library on sound and light.

Have your child put his fingers on his vocal chords and hum. Does he feel the vibrations? Ask him to hum a high note and then a low note. Does he feel any difference in vibration?

**Seton Home Study School**  
**Science/Health 1 Lesson Plan**

An experiment: You will need a drum, a drumstick, and some tiny pieces of paper. First, have your child lay one hand on the drum surface and tap the drum surface with the other hand. Did he feel any vibrations? Now lay the tiny pieces of paper on the drum surface. Hit the drum with the stick. What did the papers do? Hit the drum harder. Did they bounce higher? Both of these experiments show that sound is caused by vibrations.

More experiments: Does sound travel through solids? Have your child hold two rocks under water and hit them together. Does sound travel through water? (Yes.) Now stand on one side of the wall while your child stands on the other side. Knock on the wall. Did your child hear the sound travel through the wall? So, does sound travel through solids? (Yes.)

**Please record your average home grade on the First Quarter Report Form and send it to Seton upon completion of all First Quarter subjects, or you may enter the grade online at [www.setonhome.org](http://www.setonhome.org).**

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## SECOND QUARTER

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### WEEK TEN

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### Chapter 5

Read and discuss Chapter 5: God's Gift of Hearing.

The drawing of the ear is very detailed but is proof of the intelligence of God who could design something so complex, so small, and so useful. Stress the importance of thanking God for the gift of hearing. Have your child imagine what it would be like to be deaf. Upon what other senses would he have to rely? Ask your child to name various sounds he hears every day. Which are pleasant sounds and which are noises?

Ideas for Enrichment:

Obtain a book from the library on the ear or locate a colorful picture of the ear in the encyclopedia or on the Internet. Using the search engine, you may find items of interest for your child.

Encourage your child to make a poster showing the Rules for Good Ear Care.

Try this game: Blindfold your child. Lead him around the house, have him listen to various noises (such as running water, the banging of pots and pans, the rustling of paper bags and the barking of a dog), and ask him to identify the source of each sound. This game will help him realize how many sounds there are in the world and how much blind people must rely on sound to identify things.

Make string telephones: You will need two styrofoam cups, about four feet of string, a pencil, and tape. With the pencil, punch a small hole in each cup. Thread the string from the outside to the inside of one cup and continue through the inside to the outside of the second cup. Tape each end of string to the bottoms of the cups. Give your child one end of the telephone and ask him to back away from you until the string is taut. Now you can talk on the "telephone." If you wish, explain that the sound waves (which are produced by anything making a sound) are carried along the string into the cup.

Make musical instruments: You will need two straws and scissors. Flatten the end of one straw and cut the corners off the flattened end. Have your child blow into the straw from the other end. Now cut the other straw in half. Flatten the end of one piece and cut the corners off. Have your child blow into this one. Did they make different sounds?

Jesus cured the deaf as well as the blind. They can be read in several places, such as Matt. 9:32. In Mark, 7:32, we read that Jesus put His fingers into the ears of one deaf and dumb; He looked up to Heaven, said, "Be thou opened" and immediately his ears were opened.