



**Cabot Public Schools**

**2019-2020**

**Alternative Methods of Instruction**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## **3rd Grade AMI Work #8**

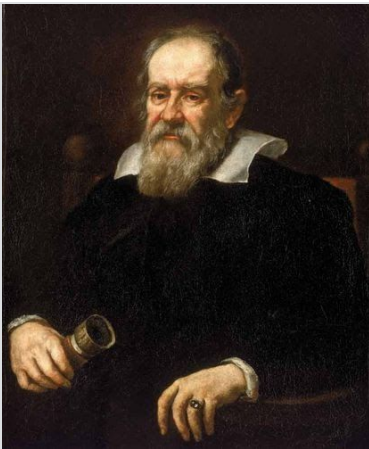
*Your child will have 5 days to complete and return this to his/her teacher to get credit for the day. If you need more time, please let the teacher know.*

### **THEME: Outer Space**

How do people learn about space?

### **Exploring Space with Telescopes**

People have been interested in studying space since ancient times. It was possible to see only some stars and planets with the naked eye. Since they were far, far away, it was impossible to see anything in very much detail.



In 1609, an astronomer named Galileo [ga-li-laeoe] created a telescope that he used to observe the night sky. Galileo's telescope made things appear three times larger. Using his telescope, he discovered four of the many moons that orbit the planet Jupiter. He also observed the planet Saturn and the Milky Way.

Since Galileo's time, scientists have created more and more powerful telescopes. Some telescopes are housed in large observatories on Earth. Often, these observatories are on the top of mountains, far away from any cities or lights. This allows astronomers to clearly see the stars and planets.

*Building an observatory on top of a mountain helps to get a better view of the sky. Other telescopes are launched into space using rockets. They travel far above Earth and have a better view of the universe than telescopes on Earth. One of these telescopes is the Hubble Telescope. It was launched in 1990 by NASA, the American group of scientists who study outer space. The Hubble Telescope is still in space today, orbiting Earth. Since its launch, it has sent back thousands of photos to NASA. Hubble's photos have led to many new discoveries about the universe. For example, using photos from Hubble, scientists now think that the universe is about 13 to 14 billion years old!*

1. What is a meaning of the word discover? Write two meanings.
2. Scientists \_\_\_\_\_ an object at the edge of our solar system.
3. Please write your own sentence using the word discover.
4. What would you like to remember about the meaning of the word discover so that you can use it when you write or speak?

**MATH:** Solve the problems below.

1. Third grade students chose their favorite planet to research. 17 students chose Saturn, 25 chose Pluto, 19 chose Neptune, and 22 chose planet Earth. How many more students chose Pluto than Saturn? How did you solve it?
2. How many 3rd grade students in all, chose their favorite planet? Explain how you solved this problem.
3. During a big snowstorm, Henry made \$48 shoveling snow in his neighborhood. He charged \$6 for each house. How many houses did Henry shovel? Which operation did you use to solve the problem? Why?
4. Erica was making bracelets to sell at the local craft show. The first week she made 36 bracelets. The following week she made 48 bracelets, and the week after that she made 102 bracelets. How many bracelets did Erica make to sell at the craft show? At the show, she sold 96 bracelets. How many did she have left? Tell how you solved the problem.

**Activity:**

Today is music. Ask your family members to play or sing some of their favorite songs. While the music is playing, tap a pencil (or something like a drum stick) to the beat of the music.