



Dear Educator,

This file offers views of some of the worksheets in our “Galileo” thematic unit. The cover for an eWorkbook is shown followed by the preview pages.

The “Galileo” unit offers [16 pages](#).

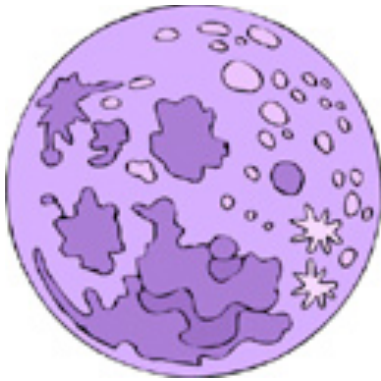
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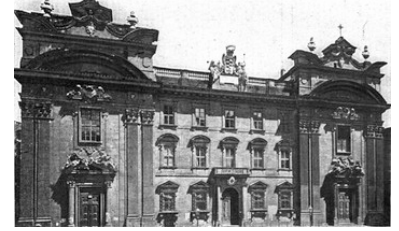
Galileo



Galileo

THE MAN

Let's go back to young Galileo now. When he was eight years old, his parents moved back to his father's hometown of Florence. Galileo was left in the care of his uncle for two years so he could go to school. He then lived with his family until he was old enough to enter a boarding school run by monks.



For a while, Galileo thought about becoming a monk himself. His father did not like the idea and brought him home. His father wanted him to become a doctor. Galileo was sent to another school to prepare him to go to medical school. Monks also taught this school, but Galileo came home everyday.

In his teenage years, Galileo discovered a love for mathematics. He did not want to become a doctor. It wasn't until he was about twenty years old that he finally told his father that he wanted to become a math and science teacher. When some of Galileo's teachers talked to his father about what a good student he was his father finally let him follow his dreams.



Read each question. Write your answer on the lines.

1. Where did Galileo move to when he was 8 years old? _____

2. What were Galileo's dreams? _____

Galileo

Even though, he was stuck in the same place over the next few years, Galileo continued to work. This was made harder when he went blind, but he kept trying. Finally, at what was an old age in those days, he died in 1642 after several years of ill health.



Three hundred and fifty years after his death, Galileo was cleared of heresy charges by the Pope John Paul II of the church. Of course, scientists and students all over the world had believed him for a long time before that.

HIS WORK

Galileo believed that any problem or mystery could be solved by combining observation and mathematics. He was almost always right. He did make a mistake in his theory about why tides happen.

Before Galileo set down laws and numbers to explain how and why things worked the way, they did, math was thought of as a field for magicians and weirdoes. There were no accurate clocks or ways to measure size or length. He developed his own measurements for time and space. He even invented a clock after he had gone blind.

When he was just 21 years old, Galileo developed a better way to find the weight of things using water. The water method has been used for centuries to see how pure pieces of gold and silver were. Archimedes made the original discovery in ancient Greece. Galileo improved on the design of hydrostatic balance (water weighing machine). He wrote a book about it called “The Little Balance.”



Galileo

CRISS CROSS

Can you fit these words into the criss cross?
Use a pencil so you can erase if you need to.

speed compass motion math
telescope scale revolve blind

