

## Take a Closer Look

- Where was Isaac Newton born? Circle two places on the cover that tell you this.
- When you *invent*, you think up and make something for the first time. Underline two things that Isaac invented.

*Isaac Newton  
was a great scientist.  
He was very curious!  
He asked questions to help  
him solve problems.*



- As a scientist, what problem would you like to solve?

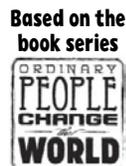
---

---

---



Join Xavier and friends for  
more stories of great people,  
just like you!  
[pbskids.org/xavier](http://pbskids.org/xavier)



## Isaac Newton

*Slow down and think  
through problems.*



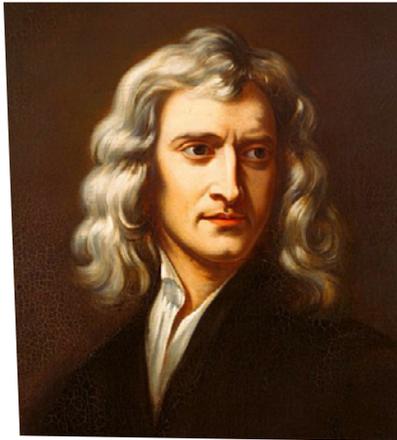
Isaac Newton was a scientist  
from England. England is part  
of Europe.



England

## Curious Isaac

Isaac Newton was born in 1643. As a child, Isaac was very curious. He asked a lot of questions. He liked to think about the answers.



Library of Congress

*This is a painting of Isaac Newton by Sir Godfrey Kneller.*

Isaac was curious about the wind. He made many different kites. Isaac tested them to see which would fly best.

## New Inventions

Isaac went to college. He learned a lot about math. He still had more questions. He ended up inventing a new way to use math, called *calculus*.

Isaac wanted to know about rainbows. He needed to look closer at light. So, he invented a special telescope. Scientists today still use the telescope he invented.

## Big Ideas

Isaac had big ideas. Once, he saw an apple fall from a tree. He wondered why it fell. So, he read books. After a while, he had an idea about *gravity*. Gravity is a force that makes things fall down. It also keeps the Earth moving around the Sun.

Isaac's questions and inventions led to big ideas. His ideas keep helping other scientists today.

## Amazing Fact!

**Isaac Newton had big ideas about how and why things move. His ideas called "The Laws of Motion" help scientists go into space!**



NASA

*This is a photograph of the Moon.*