

### Warm-Up Activity:

Definition of **honesty**: \_\_\_\_\_

An example of a time it is challenging to be **honest** is:

\_\_\_\_\_

because:

\_\_\_\_\_

\_\_\_\_\_

### Word Bank

electricity

magnet

electric current

truth

discovery

scientist

experiment

share

compass

electromagnet

**Directions: Use the word bank to fill in the blanks below.**

1. A \_\_\_\_\_ is something that can stick to metal things like iron and steel.
2. \_\_\_\_\_ is the energy that powers things in our homes, like lights and computers.
3. An \_\_\_\_\_ is a type of magnet that works when electricity flows through it.
4. A \_\_\_\_\_ helps us find directions; it has a needle that always points north.
5. \_\_\_\_\_ flows through wires and can make things work, like a light bulb.
6. A \_\_\_\_\_ is a person who studies and learns about the world by doing tests and trying new ideas.



7. When a \_\_\_\_\_ is made, it can change the way we understand the world around us.
8. It's important to tell the \_\_\_\_\_, just like Michael Faraday did when he discovered new things.
9. Doing an \_\_\_\_\_ is like a test to find out something new or to see if an idea is right.
10. After learning something new, it's good to \_\_\_\_\_ it with others so they can learn too.

**Directions: Answer the questions in complete sentences.**

11. How did Michael Faraday show bravery in his work?

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12. Why is it important to share what you learn with others?

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13. **Making Connections:** Michael Faraday is an excellent example of a person who stood up for truth even when it wasn't easy.

- a. Why did Faraday think standing up for truth as a scientist was important?

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- b. Why did Faraday think standing up for truth as a Christian was important?

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- c. How did Michael Faraday stand up for and share the truth during his time? Cite a specific example and evidence from the video.

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- d. In the video, what advice does Faraday give to Leo and Layla? How can you apply this advice to your own life? Provide an example.

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## Michael Faraday | Answer Key

### Warm-Up Activity

Check students' brainstorm for completion.

electricity	magnet	electric current	truth
discovery	scientist	experiment	
share	compass	electromagnet	

1. A magnet is something that can stick to metal things like iron and steel.
2. Electricity is the energy that powers things in our homes, like lights and computers.
3. An electromagnet is a type of magnet that works when electricity flows through it.
4. A compass helps us find directions; it has a needle that always points north.
5. Electric current flows through wires and can make things work, like a light bulb.
6. A scientist is a person who studies and learns about the world by doing tests and trying new ideas.
7. When a discovery is made, it can change the way we understand the world around us.
8. It's important to tell the truth, just like Michael Faraday did when he discovered new things.
9. Doing an experiment is like a test to find out something new or to see if an idea is right.
10. After learning something new, it's good to share it with others so they can learn too.

### Directions: Answer the questions in complete sentences.

11. How did Michael Faraday show bravery in his work?

Michael Faraday showed bravery in his work by continuing his experiments and sharing his discoveries, even when other scientists didn't believe him or were unfriendly towards him. This shows that he was brave because he kept trying and learning, even when it was difficult.

12. Why is it important to share what you learn with others?

Sharing what we learn with others is important because it helps everyone know more and understand better. Like Faraday shared his discoveries about electricity, we can also help our friends and family learn things.

13. **Making Connections:** Michael Faraday is an excellent example of a person who stood up for truth even when it wasn't easy.

- a. Why did Faraday think standing up for truth as a scientist was important?

Faraday said his duty as a scientist was to share what he discovered about the natural world.

- b. Why did Faraday think standing up for truth as a Christian was important?

Faraday said it was his duty as a Christian to reveal that God created the natural world, that it is ordered according to laws, and that the human mind is capable of discovery.

- c. How did Michael Faraday stand up for and share the truth during his time? Cite a specific example and evidence from the video.

Michael Faraday published his findings as soon as possible to share the scientific truth during his time. He also held public lectures where people could listen to his latest scientific discoveries. The masses were wonderfully curious about the world around them. Michael Faraday was transparent and honest with the public and excited to share his knowledge with others.

- d. In the video, what advice does Faraday give to Leo and Layla? How can you apply this advice to your own life? Provide an example.

Sample answer: In the video, Faraday tells Leo and Layla that the world needs truth-tellers—whether it be something that happened at school or the latest scientific discovery that goes against what the majority wants people to believe. He encourages them to stand firm in the truth, even when everyone is against them. I can apply this advice to stand up for someone getting made fun of at school; even if I know it won't be the popular thing to do, I know it's the right thing.