

## Physical Science STEAM without a Class

Not in a science class this semester? Science is all around us. Science as a collective institution aims to produce more and more accurate natural explanations of how the natural world works, what its components are, and how the world got to be the way it is now.

What have you noticed in the world around you that you can't explain? Research it to find the answers and write a paragraph that explains what you have learned.

Here are some questions that you can use—if you don't already know the answer. Choose what you want to know, find the answer, and write a couple of paragraphs about what you learned. That will be your evidence.

Why do emails arrive at their destination?

What causes a rainbow?

Why do some objects, such as doors and windows, get bigger and smaller?

Why do cats always land on their feet?

What makes popcorn pop?

What causes lightning?

Why do I feel dizzy when I spin?

Why does a knuckleball seem to “dance” toward home plate?

Why do leaves change color in the fall?

Why does my hair stand on end when I take off my hat on a cold, dry day?

How does a plane takeoff and fly?.

How do scientists know how to make a flu vaccine if viruses can be different every year?

What are stem cells?

Why do stars twinkle?

What causes thunder?

Why don't the oceans freeze?

Why do boats float?

What's the difference between bacteria and virus?

Why do I have brown eyes?

Why is it that women live longer than men?

Why does the sky change color?

What is fire made of?

Why will a piece of flint produce sparks?

Why are candle flames yellow?