

STEM Playing Cards

These STEM decks add a twist to your card games!

Illusions



You might not believe it but in order to see your brain needs to process A TON of information. That information is in the form of different colors (or wavelengths) of light. If you are looking at something with a lot of very small changes in color, line thickness or patterns it can make it very hard for your brain to figure out what you are looking at. The optical and visual illusion decks have 52 unique images to test your brain.



IDEA! Can you make your own optical illusion? These websites that can help you out [here](#) and [here](#).

Astronomy



Since 2000 BCE scientists had suggested that Earth orbited the Sun, however, it wasn't until 1543 that Nicolaus Copernicus used math to provide a theory to support that idea. It took over 50 years for Galileo Galilei to make observations in the sky that proved Nicolaus' theory was correct.



IDEA! On a clear night see if you can find the constellations in the sky. If need help, check out this planet locator from [Edmonds Scientific \(\\$4\)](#).



IDEA! Drive outside the city limits and marvel at how many more lights you can see. Nat Geo Kids has a great online article on light pollution [here](#).

The Scientists, Inventors and Explorers



Here come the scientists. With scientist and inventor decks from US Games and Women in Science from Luna Games, there are new facts to be learnt by the young and old alike.

The Women in Science deck has a secondary "Build Your Lab" game incorporated (you can still play regular games too). The goal is to build out 3 complete labs before the other players but watch out, they can "recruit" your scientists away!



IDEA! Use the Scientists and Inventors cards to play memory. Award bonus points if you get both pairs or can name additional facts about the scientists or inventor.



IDEA! As you're play the Build Your Lab game think about new questions that might get explored in that lab.



IDEA! Figure out which scientists and inventors lived during the same time. Can you see how they might have learned from each others discoveries?