

# How VEX IQ robotics prepares you for future careers

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## Can STEM help with jobs?

Stem can open up many job opportunities and be very helpful later in life, like engineering, designing, and legoland designers, but how does it help? Stem can help in many ways, which we will go over shortly. A few examples include providing experience, and more.

## What is STEM?

STEM stands for science, technology, engineering, and mathematics. These four categories share an emphasis on the engineering design process. They all focus on using the engineering design process to solve problems.

## What is a Lego designer?

There are many jobs stem provides experience for, but we will focus on Lego designers. Lego designers help sketch out, test, and design lego sets and have created sets such as lego Muppets, lego Harry Potter, lego Spiderman, lego Marvel, etc. Lego designers can get paid up to \$53,558 per year so it's also a well-paying job.

## How do you become a lego designer?

In order to become a lego designer, you must have a bachelor's degree in 3D arts, industrial design, architecture, etc. You must also have experience with legos and they work 4-7 hours and 10-24 hours a week.

## How do lego designers use the engineering design process?

First, they ask which set they're making. Then; they imagine how the set is going to look. Next; they sketch out how the set will look. Then, they make a prototype to see their design. They then test the prototype to see if it works as intended. Finally, based on the results of the tests, they either restart or share their design.

## What is robotics?

VEX IQ robotics is a fun hands-on way to learn about STEM. In VEX IQ robotics you compete with other teams in your state, country, and even around the world to try to win. In order to win you must work together with you and other peoples teams to get the most points possible within the time limit.

*How do you join robotics?*

*If you want to join robotics, there are many ways, but one of the major ways is to join your school's robotics team. Another way is to get a robotics expert to register a team and look for members of your school or your community to join.*

*How does Robotics prepare you to be a lego designer?*

*Robotics prepares you to be a lego designer in many ways. It uses the engineering design process which lego designers also use. It also gives you experience building which you will need in order to become a lego designer. It also helps by increasing your teamwork and communication skills which you will need in order to be successful as a lego designer.*

*How are robotics and lego designers similar?*

*They are similar because they both use the engineering design process. Another way they are similar is they both have a focus on doing a wide variety of jobs. They are also similar because they have a focus on teamwork and building social skills.*

## *Conclusion*

*In conclusion, robotics and lego designers share many similarities. They also help each other by preparing one for the other. Robotics is very helpful, so why not go out there and join robotics? You might even like it!*