

For ages 14-18

# Volkswagen Academy Summer Camp

July 22-26, 2019, 9:00am - 1:00pm  
8001 Volkswagen Dr, Chattanooga, TN 37416

One week of Robotronics experiences at the Volkswagen Academy in Chattanooga  
Classes covering the topics:

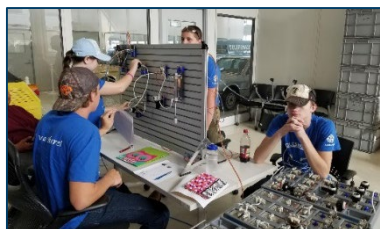
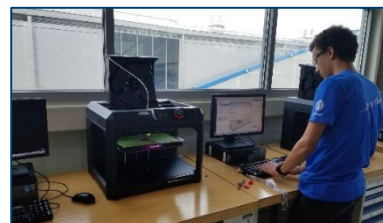


## Robotics

Learn how to operate an actual robot just like the ones in our factory. Compete with your team to see who is the best at maneuvering items using the robot's arm. Understand the role of robots in manufacturing.

## 3D-Printing

Learn how to 3D-print various shapes and forms using a MakerBot printer. Discover how 3D-printing can be used in manufacturing by working on a big 3D project with your group.

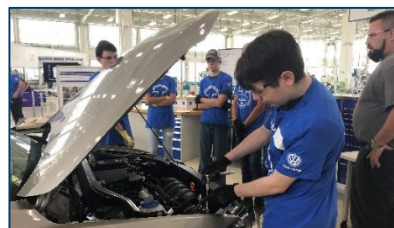


## Pneumatics

Have you ever wondered how the brakes in a car work? Explore pneumatics in fun competitions and build your own pneumatic circuits that will show you how the energy of air can make things work.

## Explore a Volkswagen Car

Learn about different aspects of a Volkswagen car, including; diagnostics, brake system, chassis and alignment, electrical systems and simulations. Assemble parts to an actual Volkswagen car.

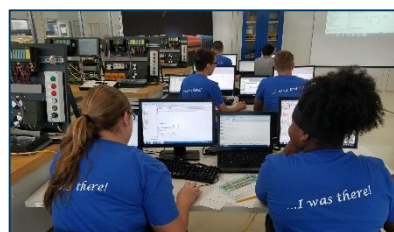


## Lean Manufacturing/Truck Game

Take part in fun hands-on competitions to see if your team can be the best at improving processes that are used when building cars, such as Importance of quality, automotive manufacturing methods, just-in-time logistics and problem solving.

## Robotic Programming

Work on an industrial digital computer and get to know the software that is used for programming a robot. Find out how these devices are used to control manufacturing processes.



If you have any questions, please contact: [volkswagen.academy@vw.com](mailto:volkswagen.academy@vw.com)