Why AutoAuto?

We offer autonomous cars for teaching Programming & Artificial Intelligence! Teachers can help their students master Python Programming & AI in a fun way, with our project based learning courses & interactive AutoAuto cars. Our curriculum prepares students of today for tomorrow & what the future holds.

Two Course Options for Your Classroom

	Virtual AutoAuto	Virtual AutoAuto + Physical AutoAuto
Hours of Curriculum	80 hours	180 hours (virtual and physical car projects)
Python Coding	✓	✓
A.I. Concepts	✓	✓
Real A.I. Coding	✓	✓
Hands-on A.I. Projects	✗	✓

Courses are available in English, Spanish, & Portuguese, & adapted to best serve the grade groups: 3-5th, 6-8th, 9-12th, & college.

egb4.com/auto-stem

Happy Customers

Mr. Reincke Teacher R. Springs Elem.

"They are learning real-world skills that are applicable nowadays."
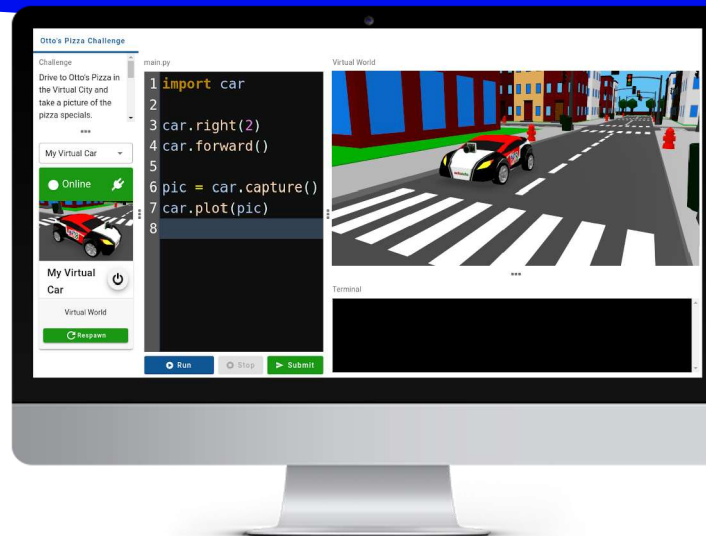
Dyia Summer Camp Student

"I programmed a car with 2 of my friends to follow an obstacle course with cones. We had success and the best part was that we did it all on our own."

Sarah Sixth Grader

"It makes me feel smart, like really smart, because I know what experts do."

```
Otto's Pizza Challenge
Challenge
Drive to Otto's Pizza in
the Virtual City and
take a picture of the
pizza specials.

main.py
1 import car
2
3 car.right(2)
4 car.forward()
5
6 pic = car.capture()
7 car.plot(pic)
8
```
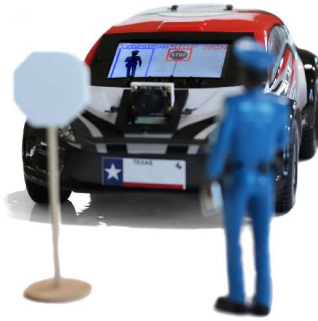
Our video-based lessons are continually expanding so real world relevance & problem solving skills for students are always up to date!

How AutoAuto Helps

1 **Easy & Fun**
Kids Love Our Virtual & Physical Autonomous Cars

2 **Skills for the Future**
Learn Real Python Programming & AI
Foster Teamwork & Collaboration

3 **Perfect for Any Classroom**
Extensive Video Lessons (180+ hrs)
Auto Grading & No Installations Needed

The AutoAuto Car

The physical AutoAuto is programmable just like the virtual AutoAuto car, & it brings concepts to life for your students!

6 months WARRANTY

Each durability-tested AutoAuto was built to enable several projects & to be used by several students along the years.

Scenes from the Virtual World

- **Racetrack**
- **Smart City Roads**
- **Pizza Shop**

A Peek Into First Lessons

Unit 1: Intro to Programming and AI
- Intro to the cars
- Intro to Machine Learning
- The ramp challenge
- Python coding
- Parking

Unit 2: Programming with Precision
- Figure-8 challenge, car selfies & mini spy mission
- Printing in Python
- Getting messages from your car
- Public parking
- Bonus: Printing in Python

Unit 3: Otto's Pizza Challenge
- Adding numbers in Python
- Otto's Pizza Challenge
- Math Operations in Python
- Four cones challenge
- Bonus: Math operations in Python

Objectives

- Learn how to program the AutoAuto car to drive
- Explore fundamental Machine Learning (ML) and Artificial Intelligence (AI) concepts
- Learn how to print, do math operations and create variables in Python
- Program the car to capture real-time information through the on-board cameras
- Learn how to program the virtual AutoAuto car to park in the virtual city
- Collaborate in teams and brainstorm ideas on how to program cars to respond across various driving scenarios
- Explore how the cars were built to be programed by using a raspberry pi, connecting with a wifi hotspot, and using features like the sensors to mimic self-driving cars
- Explore which careers you can use the skills you learned

Classroom Packages Start at

$840

Packages Include:

Video-Based Lessons
-
Auto-Graded Challenges
-
Teacher's Portal for Tracking Students' Progress
-
Two Complimentary Hours of Support
-
Free Remote PD Sessions Offered Twice a Year

Request a Demo!

Email us at: **egm@egb4.com**

Call us at: **(512) 434-9209**