

INTRO TO CODING (ONLINE) - SCRATCH

A 2 week compact course in the coding language Scratch.

Scratch is a coding language that was developed by MIT university engineers. It is taught at many elementary schools, but often only at a rudimentary level. In Scratch, students do not have to type, but they hold and drag colored blocks over the screen to see the graphic output.

Our experience is that the benefits of Scratch are underestimated. Students with a solid background in Scratch have been better and faster in understanding scripted languages like Python. Generally, we recommend that if your child is under 10 years of age and has not had a coding class before, this is the class to start with.

Time: 6 classes, 10:30 am - 11:30 am, Mo, We, Fr / June 8-June 19
Capacity: Up to 4 students
Platform: Online Zoom Meetings
Price: \$ 120

INTRO TO CODING (ONLINE) - PYTHON

A 2 week compact course in the coding language Python.

Python is one of the most powerful and flexible programming languages of our time. It is an industry standard and ideal as a first language for children aged 10 and above due to its intuitive syntax. YouTube, DropBox, Google, Instagram and Spotify were all written in Python; so any future programmer or curious coder should start here.

In this summer course, we will follow a different approach than we do during the school year. Students will learn the basics of Python, enabling them to write short game codes and prepare them for the summer course CODING-ATTACK OF THE VAMPIRE PIZZAS. No previous coding knowledge is required. Usually suitable for students age 10 and above.

Time: 6 classes: 9:30 - 10:30 am, Mo, We, Fr / June 8-June 19
Capacity: Up to 4 students
Platform: Online Zoom Meetings
Price: \$ 120

CODING (ONLINE) - PYTHON - ATTACK OF THE VAMPIRE PIZZAS (BEGINNER)

A 3 week compact course in the coding language Python.

All students who have a background equivalent to the summer course INTRO TO CODING (ONLINE) - PYTHON are welcome to take this summer course. We will write code for a fantastic game, thereby learning fundamental aspects of Python in a didactically structured way. Usually suitable for students age 10 and above.

Time: 9 classes: 10:30 - 11:30 am, Mo, We, Fr / July 6-July 24
Capacity: Up to 4 students

Platform: Online Zoom Meetings
Price: \$ 180

CODING (ONLINE) - PYTHON - ATTACK OF THE VAMPIRE PIZZAS (ADVANCED)

A 3 week compact course in the coding language Python.

This course is designed for students who already have a background in Python equivalent to Coding 2 at CodeCraze. We will write code for a fantastic game, thereby learning new aspects of Python in a didactically structured way. We will customize the game and add extensions where appropriate. Usually suitable for students age 10 and above.

Time: 9 classes: 9:30 - 10:30 am, Mo, We, Fr / July 6-July 24
Capacity: Up to 4 students
Platform: Online Zoom Meetings
Price: \$ 180

CODING (ONLINE) - MINI 2D GAMES (ADVANCED)

A 3 week compact course in the coding language Python.

This course is designed for students who already have a background in Python equivalent to Coding 2 at CodeCraze. We will write fun short 2D game codes like Tetris, Slider, and Squirrel thereby solidifying shaky parts of our knowledge, and learning new aspects that are also useful for school math. Usually suitable for students age 10 and above.

Time: 9 classes: 10:00 - 11:00 am, Mo, We, Fr / June 22-July 10
Capacity: Up to 4 students
Platform: Online Zoom Meetings
Price: \$ 180

ROBOTICS (REMOTE LEARNING)- CURRENT TEAM MEMBERS

This is a continuous class for current members of the CodeCraze Robotics Team (RoboCrazers). The class is comprised of the following:

- weekly online 1-1 virtual robot coding classes (using new VR software from Vex)
- a competition robot plus parts and pieces will be dropped at your house for a couple of days, then picked up, sanitized, and brought to the next student. We estimate that, depending on team size, each student will have the robot and the building parts for 3-4 times a month, for a couple of days (not longer than a week).

- online zoom meetings with the whole team for planning and discussing the strategies about the building and coding of the robot. Results and decisions will be entered in a Google Doc that will be accessible for each team member. The instructor and the students will decide together about the frequency of these meetings, according to the progress and needs of the team.
- E-mail correspondence for further questions and discussions.

Time: to be arranged with team members
 Capacity: Up to 4 students
 Platform: Online Zoom Meetings + Robot drop in
 Price: \$ 160 / 4 weeks (incl. 4 robot coding classes + ca. 10-14 days of building time with robot at your house and online team meetings as needed)

ROBOTICS (REMOTE LEARNING)- NEW TEAM

This is a continuous class for those who already had a robotics course in Vex IQ Robotics and want to prepare for the official Vex IQ Tournaments next year. The class is comprised of the following:

- weekly online 1-1 virtual robot coding classes (using new VR software from Vex)
- a competition robot plus parts and pieces will be dropped at your house for a couple of days, then picked up, sanitized, and brought to the next student. We estimate that, depending on team size, each student will have the robot and the building parts for 3-4 times a month, for a couple of days (not longer than a week).
- online zoom meetings with the whole team for planning and discussing the strategies about the building and coding of the robot. Results and decisions will be entered in a Google doc that will be accessible for each team member. The instructor and the students will decide together about the frequency of these meetings, according to the progress and needs of the team.
- E-mail correspondence for further questions and discussions.

Time: to be arranged with team members
 Capacity: Up to 4 students
 Platform: Online Zoom Meetings + Robot drop in
 Price: \$ 160 / 4 weeks (incl. 4 robot coding classes + ca. 10-14 days of building time with robot at your house and online team meetings as needed)