1 Middle and High School Virtual Academy

• Seats limited to 30 participants per workshop

Middle School (5th-8th grade) Workshops

**Stay home and Code with NetLogo!**

*Dates: June 8th- June 12th*

Students will be introduced to NetLogo, a low floor, high ceiling agent based programming language used for modeling and simulations. Students will build a representation of a virus spread and use it to think about what we could do to slow it down.

*Presented by Chi-Yan Leung's team, School of Engineering at UC Merced, undergraduate student instructors: Mighty Chen & Sabrina Lauv*

**Times students will log-in:** 1pm to 3pm  
**Price:** $20

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**Introduction to Virtual Robotics #1 - Living in a connected world**

*Dates: June 15th- June 19th*

This workshop is an introduction to Robotics Virtual Worlds simulation platform. We will discover the power of simulation and learn to program for EV3 and Lego Mind storm platforms. We will introduce the sensors and control methodology.  

*Special requirements: Need a Windows laptop or computer!*

*Presented by graduate student instructor, School of Engineering at UC Merced: Jose Alcala*

**Times students will log-in:** 10am to 11:30am & 2:30pm to 4:30pm  
**Price:** $20

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**CSI Rookie Academy: Who Dunnit?**

*Dates: June 22nd- June 26th*

Throughout this online workshop, you will become a rookie CSI Detective! We will study famous investigations, learn techniques used by real life detectives and apply them all to solve our very own case!

*Presented by CalTeach undergraduate student instructor, School of Natural Sciences at UC Merced: Kimberly Gonzalez*

**Times students will log-in:**  
Mon, Wed & Fri: 10am to 12pm  
Tuesday and Thursday: 2pm to 4pm  
**Price:** $20

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**Applications for Virtual robotics #2 - Navigating a connected world**

*Dates: July 6th- July 10th*

Virtual Robotics #2 continues where learning the Robotics Virtual Worlds simulation platform. We learn to use mathematical theory to accomplish tasks and navigate through virtual world. We will introduce the LabView engineering systems software for high-level integration of our simulated environment.  

*Special requirements: Need a Windows laptop or computer!*

*Presented by graduate student instructor, School of Engineering at UC Merced: Jose Alcala*

**Times students will log-in:** 10am to 11:30am & 2:30pm to 4:30pm  
**Price:** $20
Middle School (5th-8th grade) Workshops Continued...

**Shark Survivor!**
*Dates (Two-week session):*
*July 13th - July 17th & July 20th - July 24th*
Come learn how sharks survived through mass extinction events and adapted to changing climates. See if your shark will survive by the end of the week!

**Presented by Dr. Sora Kim’s team, School of Natural Sciences at UC Merced, graduate student instructors:**
Rachel Chan, Molly Karnes & Gabriele Larocca Conte

**Price: $20**

**Times students will log-in:** 1pm to 3pm

**Back to the Future! Time traveling through California!**
*Dates: July 20th - July 24th*
This workshop will introduce students to California terrestrial biodiversity - how we study biodiversity today and in the past, and what secrets it holds for the future.

**Presented by Dr. Jessica Blois’ team, School of Natural Sciences at UC Merced, graduate and undergraduate student instructors:**
Robert Boria and Daniela Alvarado Flores

**Price: $20**

**Times students will log-in:** 9:30am - 11am

**Register Here:** [https://commerce.cashnet.com/UCME251_W1](https://commerce.cashnet.com/UCME251_W1)

Limited fee waivers available for need-based participants, click below:
[https://forms.gle/QcdxLpwkTHUCwf8x7](https://forms.gle/QcdxLpwkTHUCwf8x7)
Middle and High School Virtual Academy

- Seats limited to 30 participants per workshop

High School (9th-12th grade) Workshops

**Stay home and Code with NetLogo!**

**Dates: June 15th- June 20th**

Times students will log-in: 1pm to 3pm

Price: $20

Students will be introduced to NetLogo, a low floor, high ceiling agent based programming language used for modeling and simulations. Students will build a representation of a virus spread and use it to think about what we could do to slow it down.

Presented by Chi-Yan Leung’s team, School of Engineering at UC Merced, undergraduate student instructors:
Mighty Chen & Sabrina Lauv

**Hands on Circuit Theory - Discover the world inside the machine**

**Dates: June 22nd- June 26th**

Times students will log-in: 10am to 11:30am & 2:30pm to 4:30pm

Price: $40

Hands on Circuit Theory course is accompanied with Arduino beginners’ kits. Together we will explore how to leverage the hardware to discover, learn and implement circuit theory basics. This mathematics orientated course will help strengthen the student’s problem solving skills with real world applications.

**Price includes the Arduino beginners’ kit and shipping costs**

Presented by graduate student instructor, School of Engineering at UC Merced:
Jose Alcala

Register Here: https://commerce.cashnet.com/UCME251_W1

Limited fee waivers available for need-based participants, click below:
https://forms.gle/QcdxLpwkTHUCwf8x7