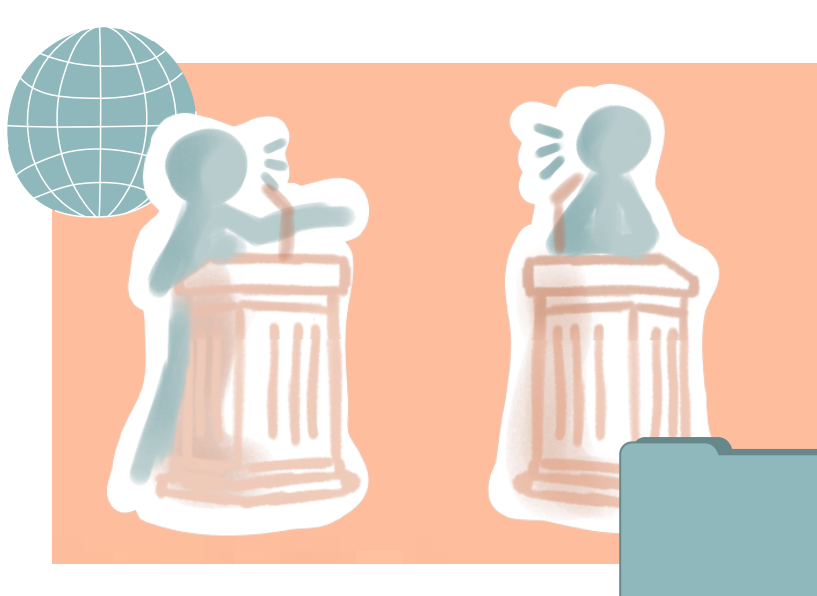2021 | ISSUE 1

WELCOME TO THE ICC COURSES!

Irvine Coding Club

Log into zoom meets every day of the week between June and August to learn from free courses about coding, debate, art, math, and so much more!

To sign up for more courses, go to this link:

irvinecoding.club/summer2021

Visit the ICC Website here: irvinecoding.club

Python and Turtle Graphics (A & B)

Taught by -
Session A: Allison Hung (Lead Teacher), Sophia Lin, Jacob Beddome, Edward Lee, Handersen Lee
Session B: Melody Yu (Lead Teacher), Agam Randhawa, Annette Lee

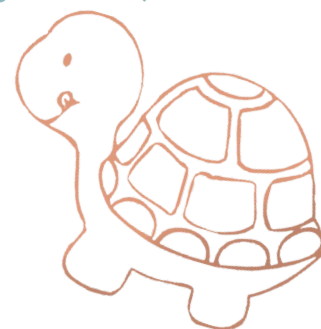Classes on Sunday 4-5:30 PM PST, from June 6 - August 15

Introduction to Python and Turtle Graphics is a free ten-week introductory crash course in computer science. Python is a contemporary programming language commonly taught to beginning coders, and it implements the idea of turtle graphics to enable coders to draw on a two-dimensional plane. In this course, students with little or no prior knowledge of computer science will be introduced to a variety of topics, including data types, variables, user input, iteration, loops, functions, conditionals, lists, randomness, and events. If you are interested in learning the basic programming concepts and having some fun with Python and turtle graphics, you should check out this course!

*There will be a lottery held after the form closes to decide who will be enrolled in which class. The lottery system is random, and the classes are completely separate. Everyone will be able to have a spot in either Class A or Class B.

Please email us with any questions!
Irvine Coding Club
(irvinecodingclub@gmail.com)
Allison Hung (allisonhung5@gmail.com)

Course Website Link:
irvinecoding.club/python101

Congress Debate

Taught by Claire Wen, Sophia Dai, Sarah Chen

Classes on Sunday 3-4 PM PST, from June 27 - August 8

Join the congress course to learn basic knowledge about congressional debate, and refine and improve your speech and debate skills. Learn how to write, prepare, and debate different bills. Participate in a mini-tournament at the end of the course and gain the many benefits linked with solid debate knowledge.

If you have any questions, feel free to email:
 congress.icc@gmail.com

Course Website Link:
irvinecoding.club/congressdebate

irvinecoding.club

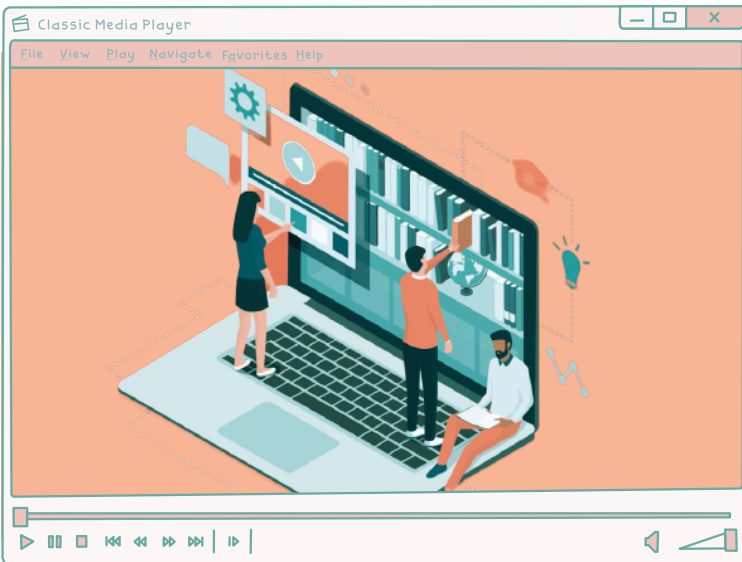# Web Development and Frontend Languages
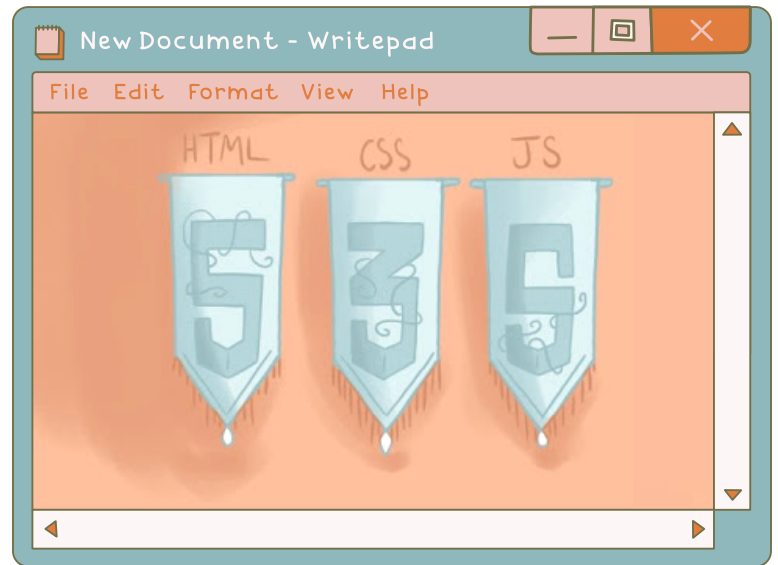
Taught by Ian Madden

Classes on Monday 2:30-3:45 PM PST, from June 7 - July 12

Tools to extend learning, and course announcements
Learn how to design websites using HTML, CSS, and Javascript!

Course Website Link:
irvinecoding.club/webdev

Introduction to Arduino

Taught by Agam Randhawa, Zach Piedad

Classes on Tuesday 3-4 PM PST, from June 8 - August 10

A beginner's course introducing the vast possibilities of what an Arduino is and how it can be used.

Course Website Link:
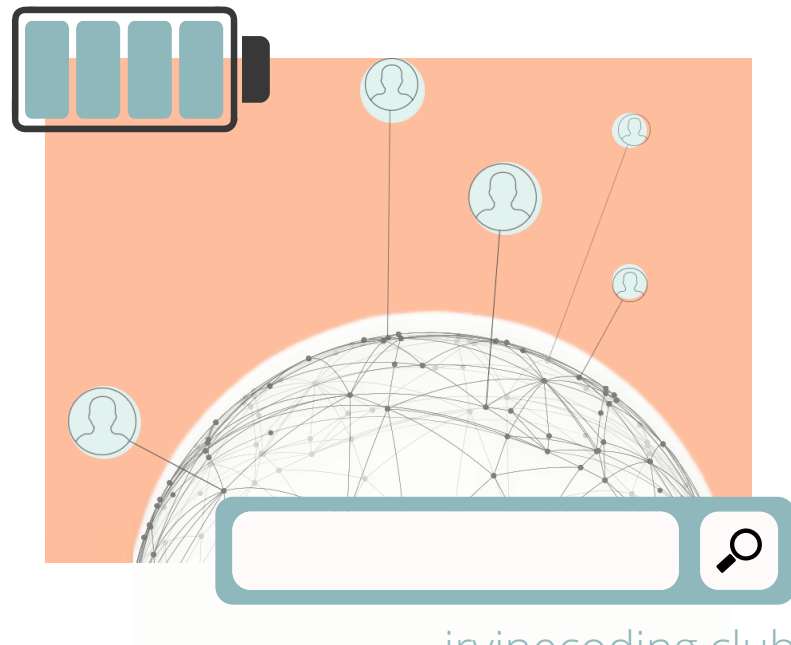**irvinecoding.club/arduino**

Conceptual Programming

Taught by Forrest Zeng

Classes on Tuesday 1:30-2:30 PM PST, from June 15-August 3

Join a course on conceptual programming and different general programming concepts that intersect with the edges of mathematics. This course covers conceptual content with a final project of Binary Trees. Learn things like stacks and queues, recursion, sorting algorithms, and linked lists!

Course Website Link:
irvinecoding.club/conceptprogramming

irvinecoding.club

Python in Projects
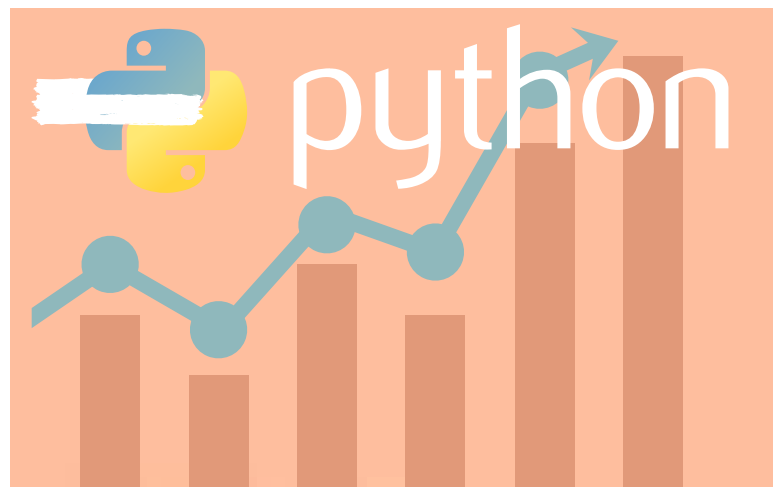
Taught by Melody Yu, Annette Lee, Agam Randhawa

Classes on Thursday 6-7 PM PST, from June 10 - July 1

This course is a 4 week long comprehensive guide on how to build and program fun and classic games using Python.

Students will create the following projects by following along code and typing it themselves. They will learn the libraries, functions, and four main projects:

- **Pong**
- **Snake**
- **Text Games**
- **Rock Paper Scissors**

Course Website Link:
irvinecoding.club/python102

Coding With Music

Taught by Sophia Dai

Classes on Friday 3-4 PM PST, from June 25 - August 6

Learn about the coding language Sonic Pi with this course and compose and code musical pieces. Have a fun and replacing time with the mix of two art forms and add on to your knowledge of coding as well. Feel free to join any time!

If you have any questions, feel free to email: sophiadai89@gmail.com

Course Website Link:
irvinecoding.club/codingmusic

irvinecoding.club

Introduction to Animation

Taught by Sophia Zhou, Cameron Wang

Classes on Wednesday 3-3:45 PM PST, from July 7 - August 4

This is a course designed as an introduction to digital animation. Classes take place twice a week, for five weeks, and topics will include frame-by-frame animation, animation planning, tweening, and more.
There will also be extra classes on Friday at the same time each week for homework help.

Course Website Link:
irvinecoding.club/animation
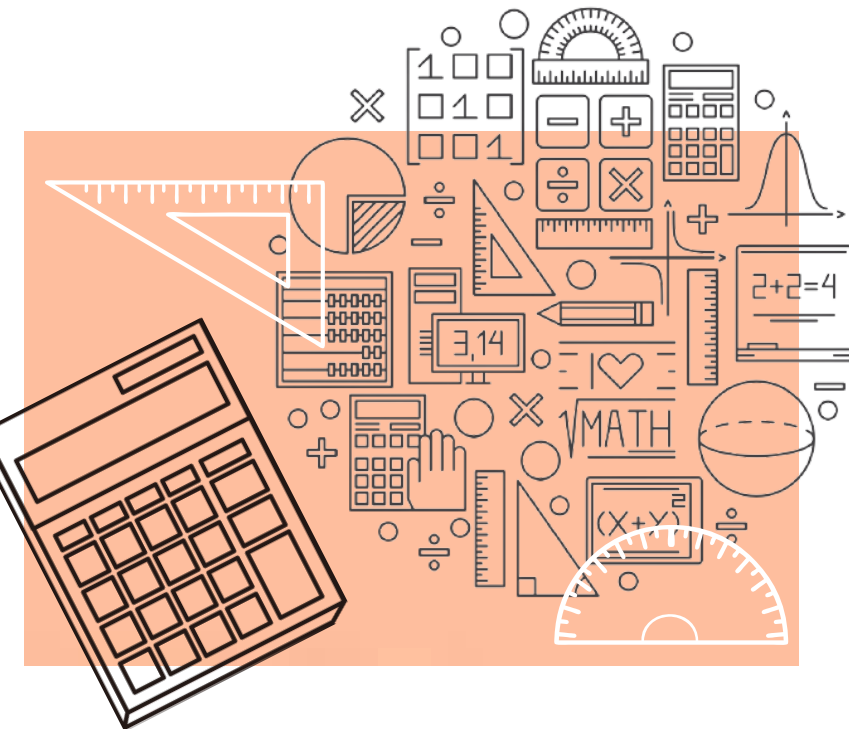
AMC8 Crash Course

Taught by Katelyn Gan, Kai Wang, Michael Li

Classes on Saturday 4-5:30 PM PST, from June 12-August 14

This is a course designed to teach someone with no prior knowledge of the AMC8 everything they will need to know to succeed. It includes geometry, algebra, number theory, combinatorics, and more!

Course Website Link:
irvinecoding.club/amc8

Coming Soon: A Creative Writing Course!

Please stay tuned! We have a new course in progress and we will have updates on it later.

If you are over 6th grade, consider joining the club! Join the discord on the website and learn even more about coding!

irvinecoding.club