



Course Descriptions

2020 - 2021

Concorde Education is an educational company focused on STEAM education. We provide curriculum development and design, professional development, and direct instruction to public and private schools, camps, and individuals nationwide.

ACTIVITY	AGE GROUPS		
	K - 4	5 - 8	9 - 12
ANIME CLUB			
BUSINESS & FINANCE			
GAME DEVELOPMENT			
DUNGEONS & DRAGONS			
ESPORTS			
CODING & DIGITAL ART			

CODING & PROGRAMMING

Robotics Coding

Our robotics coding program is designed to introduce students to the concepts of coding using a variety of robots including drone, Ozobots, Legos, and Spheros.

Students will use languages beginning with Blockly, a user-friendly and very visual language before moving on to more complicated, script-based languages like Python.

Web Development Coding

Our instructors cover a range of web development related languages such as HTML, CSS, JavaScript, as well as other high-level languages such as Python, Swift, and SQL. For younger students, more age-appropriate languages such as Blockly and Scratch can be used to build coding competencies.

Video Game Development

Learn the frontend and backend of mobile game app development! Students create games in Blockly with MIT App Inventor and gain an understanding of game design. Our instructors guide students from simple games like Mole Mash, Galaga, and build up to more challenging and original games. This course is perfect for someone looking to build upon or begin their journey into computer programming.

DIGITAL ARTS

Digital Photography

Photography has become such a large part of our culture, that we sometimes forget that it's an art form. In this class you will learn a more meaningful approach to taking pictures, by learning the basics of photography. We will discuss framing and photographic composition as well as basic lighting and presentation. Be ready to share your work as we engage in photographic critiques, as the only way we grow as artists is to get feedback from our peers. Whether you're working with your phone's camera or a DSLR, there will be something to learn for all aspiring photographers!

Video Editing

Video Editing takes so many forms. Perhaps you're trying to tell a story, or you're putting together a highlight reel of gameplay footage- Regardless of what the end product of your video will be, editing helps play a huge role in how people engage with your video! Whether you're using an app on your phone or you have a more substantial program like Adobe Premiere, you'll learn some of the fundamentals of video editing and how important it is to making a really cool and engaging video!

Digital Animation

Whether you're a beginner or you've experimented with animation in the past, this class will teach you some of the fundamentals you'll need to create an animated short! In this class we will discuss frame rate, keyframes, tweening, easing, character/ puppet design and basic blocking and movement. Here's the best part - anyone can animate with virtually anything! Whether you're working with Adobe software, or a smartphone and objects from around the house or classroom, you'll finish the course having brought something to life!

ESPORTS

Want to take your gaming to the next level? Imagine winning competitions for your school, building your skills, pursuing scholarships, and future opportunities in the world of esports. We can help you realize those dreams. For many, the idea of being a professional gamer, streamer, or content creator might seem out of reach, but you must start with small steps. Our course is designed to teach the intricacies of in-game strategy, broadcasting and design to help you make a name for yourself. Whether it's League of Legends, Rocket League, Super Smash Bros, NBA 2K, or a myriad of other games, our coaches can help you turn your hobbies into marketable skills for the future. Join us on the cutting edge and let the games begin!

Our esports team package includes features such as team planning / development, assistance in scheduling scrimmages or matches, and instruction geared toward cultivating a social presence and branding (such as designing team / individual logos).

Pokemon

Competitive Pokemon is currently played on the Nintendo Switch platform for both Pokemon Sword & Shield. "Pokemon VGC" (Video Gaming Championships) is the format used to put trainers in a 6v6 doubles match in which players bring 6 legal Pokemon into battle, but are only allowed to choose 4 in each match. During team preview, players are able to see their opponents team (but not items or abilities) and must predict which pokemon would best fit the current match. The first player to KO 4 pokemon is deemed the winner. All competitive VGC matches in tournaments can either be Best of 1 or Best of 3. The first step to enter competitive pokemon battling is to build a team! This is often done on the popular website called Pokemon Showdown (<https://pokemonshowdown.com/>). On this website, players can choose

which Pokemon they want and can build them accordingly based on playstyle and what best fits the current meta. Team building involves IV/EV calculations, choosing appropriate abilities and move set to best fit the player and playstyle. Once the team is finally constructed, players can then test them in simulated practice battles against others on the website. If the player is happy with the results and the team, he/she can then create/breed the team on the actual Nintendo Switch platform. From here, the player can further test the team on the Casual Ladder or jump straight into Ranked Ladder. Tiers in Ranked Ladder include Pokeball Tier (Rank 1-6), Great Ball Tier (Rank 7-9), Ultra Ball Tier (Rank 10), and finally Masterball Tier. Once a player reaches Masterball Tier, they must then climb the ranks amongst the best in the world, and from here on, will be ranked by a number instead of a label (ex: Rank 10,092, or Rank 89 in the world). Team Reviews and Replays of matches are also done to further improve the trainer's choices and decisions made during battle, as well as revamping the team if needed. Replays can be analyzed on Pokemon Showdown website or can be analyzed through actual match recordings from the Nintendo Switch if a game capture card is used.

There is a 6v6 singles format, but this is not VGC.

CUSTOM CLASSES

We can build and staff any number of individualized and specialized curricula based on your students' needs or interests. Custom classes include curriculum design, staffing by a qualified and background checked instructor, and typically include a culminating project or performance.

Journalism & Broadcasting

Study the basic principles of modern digital journalism and broadcasting and its importance in today's society. Learn how to select a topic, research, investigate, and report your story. Students will learn how to write engaging articles, create digital content, and share their works on social media, school newsletters, and podcasts. This course can be customized to cover athletics, esports, or other school events.

Business & Finance

A course designed to introduce students to the world of business and finance. Students will learn about a variety of topics including entrepreneurship, budgeting, investments, and the stock market.

Household Science

A science course designed for elementary and middle school students. Students will investigate a variety of science topics and fields by conducting simple and safe science experiments using household items and ingredients. The content of these courses is adjusted based on the age and area of interest of the students and can focus on topics such as:

- Food science focusing on chemistry (thermodynamics and chemical changes of food in various cooking methods) and biology (dissections of common fruits and vegetables, nutrition, reading food labels) as well as math to convert cooking measurements
- Science "Magic" tricks with static electricity, magnets, sleight of hand, optical illusions, and "tricking" the brain
- Density experiments (multiple household objects can be used like various liquids, cans of sodas or raw and hardboiled eggs)

Anime Club

Following the style of a literature analysis club, our anime club students compare the stories and styles of various anime before designing characters and stories of their own. Club meetings include screenings and discussions.

Dungeons & Dragons

Our Dungeon Masters provide students with a customized fantasy campaign drawing from Dungeons & Dragons lore. Students will design their characters, develop their backstory, and interact with their fellow group members as they engage in problem solving, storytelling, and the use of critical thinking skills to overcome challenges.

ACADEMIC SERVICES

Concorde Education offers a near limitless variety of academic support and enrichment options for small group or 1:1 instruction.

Tutoring

Our academic tutors cover all academic subjects and age groups from elementary through college age students. Individual programs can be tailored to provide support and/or enrichment for students of all ability and performance levels.

Test Prep

Our test prep tutors provide the skills and knowledge necessary to boost scores and performance on all state or national standardized tests and entrance exams, including but not limited to the SAT, SAT II, ACT, SHSAT, and Regents examinations.