

YOUTH STEM COURSES

Winter/Spring 2022



BATTLE ROYALE: MAKE YOUR FIRST FORTNITE-STYLE VIDEO

Calling all Fortnite fans! Learn how to use professional 3D game development software to build levels and assets inspired by popular battle royale games like Fortnite and others. Students can participate in Esports League matches against other schools across the country, with a chance to have their levels featured in the Black Rocket master build of the game! Projects and activities feature cartoonish action and battle sequences. Student-created games will be available on a password-protected Black Rocket website* to share with friends and family.

**64-bit operating system required. Compatible with Mac and Windows OS only.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
March 5 – April 9	9:30-11:30 a.m.	Sa	Virtual	34313
March 21 – April 13	6:30-8 p.m.	M, W	Virtual	34314
March 22 – April 14	4:30-6 p.m.	T, Th	Virtual	34321

CODE YOUR OWN ADVENTURE: INTERACTIVE STORYTELLING

Watch your imagination come to life in this unique camp that blends classic storytelling with animation techniques and coding. Start with a concept, design the characters and choose not just one ending, but many! Learn how to create your own text-based adventure games with variables, conditional logic, images, HTML, CSS and Twine scripting syntax. Student projects will be available on a password-protected Black Rocket website* to share with friends and family.

**Compatible with Mac, Windows and Chrome OS.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
Jan. 24 – Feb. 16	4:30-6 p.m.	M, W	Virtual	34305

CYBER SPIES

With the world's increased reliance on digital data, cybersecurity is more important than ever. In this course, you are all that stands between world peace and a group of international hackers launching cyberattacks. Through a series of challenges, you will learn to apply tools used by professional digital forensics teams to crack codes and use encryption. Working in teams, you will collect clues, recover lost data and explore the tools of the trade. Become the next great cyber spy!

**Compatible with Mac and Windows OS only.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
April 11-14	9:30 a.m. – 12:30 p.m.	M-Th	Virtual	34466
April 18-21	1:30-4:30 p.m.	M-Th	Virtual	34467

MINECRAFT CLUB

Join kids around the country in our Creator Corps Community of Minecraft maniacs who play and create together. Have fun playing Minecraft and learning new tricks from our Minecraft Masters. One of our coaches will teach a new technique and challenge to the club each week and let you show off your skills.

Ages: 8-14 | Cost: \$89

DATES	TIME	DAYS	LOCATION	CRN
Jan. 28 – March 4	7-8 p.m.	F	Virtual	34320

MINECRAFT DESIGNERS

Love Minecraft? Always wanted to design your own world? Then this camp is for you! Learn how to create a custom map, use new software to master the basics of 3D modeling, build with redstone and command blocks, and create custom textures to import at home or share with friends. **Participants must own a Java version of Minecraft.* Parent/guardian email address required to use 3D modeling software.**

**Compatible with Mac and Windows OS only. Tablet, phone and game console versions incompatible.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
April 11-14	1:30-4:30 p.m.	M-Th	Virtual	34325
April 18-21	9:30 a.m. – 12:30 p.m.	M-Th	Virtual	34326

MINECRAFT REDSTONE ENGINEERS

Become a true redstone engineer! Expand your redstone knowledge by constructing your own carnival with a variety of mini-games, roller coasters and attractions powered by redstone. Learn how to incorporate command and structure blocks into your builds. Activate your skills and take your Minecraft structures to the next level. **Participants must own a Java version of Minecraft.***

**Webcam and 64-bit operating system required. Compatible with Mac and Windows OS only.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
Feb. 21 – March 16	4:30-6 p.m.	M, W	Virtual	34309
Feb. 22 – March 17	4:30-6 p.m.	T, Th	Virtual	34310
March 5 – April 9	Noon – 2 p.m.	Sa	Virtual	34469

POKÉMON MASTERS: DESIGNERS AND 3D MAKERS UNITE!

Use your Pokémon imagination to bring your ideas to life. Begin by creating your own digital Pokémon-style custom playing card game. Progress into designing action figures, jewelry and toys using professional modeling software. Learn how to prepare a model for 3D printing, and create a design portfolio to showcase your work! No prior experience necessary. Designs will be available on a password-protected Black Rocket website* to share with friends and family.

**Compatible with MAC and Windows OS only.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
Jan. 24 – Feb. 16	6:30-8 p.m.	M, W	Virtual	34307
Jan. 25 – Feb. 17	4:30-6 p.m.	T, Th	Virtual	34308

PYTHON PROGRAMMERS

Want to learn the world's fastest-growing programming language favored by Google, NASA, YouTube and the CIA? Learn how to create engaging apps and games with Python.* Step-by-step lessons prepare you to challenge friends with the fun content you create yourself — from start to finish!

**Compatible with MAC and Windows OS only.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
Jan. 22 – Feb. 26	9:30-11:30 a.m.	Sa	Virtual	34297
Jan. 25 – Feb. 17	6:30-8 p.m.	T, Th	Virtual	34298

ROBLOX CLUB

Are you an avid Roblox player and creator? Join us to play mini-games with one of our Roblox coaches and make new friends in a safe and fun environment.

Ages: 8-14 | Cost: \$89

DATES	TIME	DAYS	LOCATION	CRN
March 11 – April 15	7-8 p.m.	F	Virtual	34465

ROBLOX MAKERS

Unlock the power of Roblox Studio, the world creation tool used by real Roblox developers! Learn how to build 3D models and create an adventure in your Roblox world. Bring characters to life with unique animations you design. Student-created projects will be available on a password-protected Black Rocket website* to share with friends and family.

**Compatible with Mac and Windows OS only.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
Feb. 21 – March 16	6:30-8 p.m.	M, W	Virtual	34311
Feb. 22 – March 17	6:30-8 p.m.	T, Th	Virtual	34312
March 5 – April 9	9:30-11:30 a.m.	Sa	Virtual	34316

YOUNG AUTHORS

Develop your own story from start to finish, ending with your own published softcover book! Learn about plot development and character creation, review literary techniques and perform self-expression activities including illustration, dialogue and more. Typing support provided.*

**Compatible with MAC, Windows and Chrome OS.*

Ages: 8-14 | Cost: \$189

DATES	TIME	DAYS	LOCATION	CRN
Jan. 8-29	Noon – 2 p.m.	Sa	Virtual	34317

YOUTUBE CONTENT CREATORS

Find your voice and leave your mark on the world! Explore the variety of content and personalities that exist on YouTube and discover how to find your niche. Learn the do's and don'ts of the platform and how to practice good digital citizenship. Develop your on-camera presence, channel branding and professional editing skills. Take home a plan for launching your channel with the content you create. Student projects will be available on a password-protected Black Rocket website* to share with friends and family.

**Webcam required. Compatible with Mac and Windows OS only.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
Jan. 22 – Feb. 26	9:30-11:30 a.m.	Sa	Virtual	34304
Jan. 22 – Feb. 26	Noon – 2 p.m.	Sa	Virtual	34303

YOUTUBE FX MASTERS

In the digital age, nothing is impossible! Become a master of illusion by learning the techniques used by Hollywood masters to create FX magic. Whether you want to enhance your YouTube videos or create a cool scene to amaze your friends, this camp will give you the tools you need. Experiment with visual effects as you learn the dynamics of camera angles, editing, graphic layering and sound effects. Then watch as your creations take your channel to the next level! Student projects will be available on a password-protected Black Rocket website* to share with friends and family.

**Webcam and 64-bit operating system required. Compatible with Mac and Windows OS only.*

Ages: 8-14 | Cost: \$179

DATES	TIME	DAYS	LOCATION	CRN
March 5 – April 9	Noon – 2 p.m.	Sa	Virtual	34322
March 21 – April 13	4:30-6 p.m.	M, W	Virtual	34323
March 22 – April 14	6:30-8 p.m.	T, Th	Virtual	34324

More Information

Fran Tomba

frances.tomba@tri-c.edu | 216-987-2333

