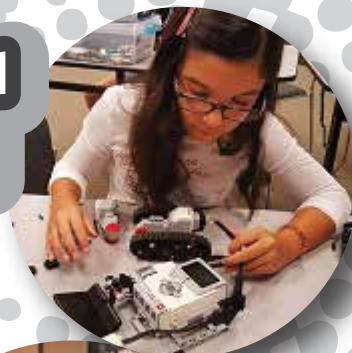




Immersive Teaching
STEAM Academy

2018 Summer Camps

ages 8-13



Robotics I \$299
with LEGO® Mindstorms EV3

Robotics II \$299
with LEGO® Mindstorms EV3

3D Modeling \$299
3D Modeling Tinkercad

3D Technologies \$299
3D Scanning/ 3D Modeling/ 3D Printing

All camps are offered at our Scottsdale location.

Please refer to the "Location" page on our website for the address and directions to each location.

Each camp listed is one week long. Visit our website at www.ITSA.academy and click on the "Register" menu to see the class list, register and pay online.

** All summer camps require a minimum number of registrations. If any scheduled date/time does not receive enough registrations then ITSA, in its sole discretion, reserves the right to cancel that class. If you are registered for such a class, then we will work with you to transfer your registration to any other scheduled date/time.*

See back page for complete details

Robotics I- Summer Camp (Ages 8-13)

In this course, the students will use the LEGO® Mindstorms EV3 robotic kits and award-winning software to learn how to build and program robots. Students will be introduced to the different components of the robots and how to assemble/disassemble the robots. The instructors will guide them on the proper use of the equipment, as well as how to maneuver the robots within boundaries.

Robotics II- Summer Camp (Ages 8-13)

Robotics II builds on the skills acquired in Robotics I. Students will learn the basics of programming using a simple, yet fundamental visual programming language, allowing them to control basic electronic components in their robots. Students will also be given advanced challenges to practice the skills learned in Robotics I.

3D Modeling with Tinkercad- Summer Camp (Ages 8-13)

This is an introductory course to Tinkercad and three-dimensional computer aided design. The objective will be to gain an overview and understanding of how three dimensional objects are designed and developed on a 3D modeling software. In addition, students will be introduced to the fundamentals of structure in modeling and will focus on the implementation and structure aspect of modeling. Students will be given themed challenges to complete for practices in implementation and design of 3D objects.

3D Technologies - Summer Camp (Ages 8-13)

This course teaches the fundamentals for 3D Printing, 3D Scanning, and 3D Modeling. The students will be able to create their own 3D Model, using 3D Scanning and Modeling software. Students will be given themed challenges to complete for practices in implementation and design of 3D objects. They will then create that object using 3D Printing and take it home as a keepsake.

Each camp listed above is one week long. Visit our website at www.ITSA.academy and click on the "Register" menu to see the class list, register and pay online.

Robotics I

• 7/9/18 - 7/13/18 M - F 9:00am - 12:00pm

Robotics II

• 7/16/18 - 7/20/18 M - F 9:00am - 12:00pm

3D Modeling with Tinkercad

• 7/23/18 - 7/27/18 M - F 9:00am - 12:00pm

3D Technologies

• 7/30/18 - 8/3/18 M - F 9:00am - 12:00pm

Scottsdale Location
6990 E. Shea Blvd, Suite 216
Scottsdale, AZ 85254

From Interstate 10 East, take Exit 147A onto AZ-51 North. Continue North on AZ-51 and take Exit 9(Shea Blvd). Keep right and merge onto East Shea Blvd. Go East on Shea Blvd. to 69th Street, turn left onto North 69th Street (Agua Caliente). Turn at the first right and go straight. The building is across the parking lot. ITSA is located in Suite 216 on the 2nd floor.



Immersive Teaching
STEAM Academy

2018 Summer Camps ages 11+



3D Modeling \$399

3D Modeling with Blender

Immersive Technologies \$399

3D Scanning/ 3D Modeling/ 3D Printing

Minecraft Modding \$399

Learn how to code

Game Development \$399

with the UNITY Game Engine

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See back page for complete details

3D Modeling - Summer Camp (Ages 11+)

This is an introductory course to three-dimensional CAD using Blender, an open source 3D creation suite. Students will gain an overview of Blender, as well as explore and create 3D models, textures with animation implementation.

Immersive Technologies - Summer Camp (Ages 11+)

Introduction to Immersive Technologies teaches the fundamentals of 3D Printing, 3D Scanning, and 3D Modeling. This course provides a more in-depth introduction to these topics than the "Introduction to 3D Technologies" course. The students will be able to create their own 3D Model, using 3D Scanning and Modeling software. They will then create that object using 3D printing and take it home as a keepsake.

Minecraft Modding- Summer Camp (Ages 11+)

Beginner or enthusiast of Minecraft will learn how to code, add new objects and items in the game using a modding software. Everything from resource packs, GUI slots, mob spawning, importing sounds, building technique, and command block shortcut will be taught to enhance gameplay. This fun and exciting course will give students the opportunity to explore the full extent of the game without having to spend hours and days on Minecraft exploring for specific resources.

Game Development- Summer Camp (Ages 11+)

This course introduces the UNITY game engine where students focus on the fundamental of game design and development. This course uses playmaker, a visual scripting plugin used to code the main functions in creating a fully-functioning game application. Within completion of this course, students will develop vital skills in programming, problem-solving, logic nodes, physics, and more.

Each camp listed above is one week long. Visit our website at www.ITSA.academy and click on the "Register" menu to see the class list, register and pay online.

3D Modeling

• 7/9/18 - 7/13/18 M - F 1:00pm - 4:00pm

Immersive Technologies

• 7/16/18 - 7/20/18 M - F 1:00pm - 4:00pm

Minecraft Modding

• 7/23/17 - 7/27/18 M - F 1:00pm - 4:00pm

Game Development

• 7/30/17 - 8/3/18 M - F 1:00pm - 4:00pm

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