



# Adventures in Roblox Studio *Syllabus*

## Course Overview

This course is written for beginners in the K – 5th grade levels. It gives students a complete tutorial of the program known as Roblox Studio and will teach the different tools you have at your disposal. There will be quizzes and projects that will have you apply the skills learned throughout the lessons.

## Course Objectives

By the end of this course, students will:

- Understand the basic functions of Roblox Studio and how to navigate its interface.
- Develop proficiency using essential tools such as Parts, Terrain, and Scripts to create custom experiences.
- Design and build unique projects using modeling, textures, and animations.
- Apply their knowledge to create interactive elements using GUIs and animations.
- Collaborate and share their creations with others while maintaining project organization

## Course Outline

### Lesson 1: Introduction

- 1.1: Templates, Themes, & Gameplay
- 1.2: My Games, Groups, Shared with Me
- 1.3: Share & Archive
- Quiz

### Lesson 2: Building Basics

- 2.1: Parts

- 2.2: Move Scale Rotate
- 2.3: Properties
- Project: Bed
- Quiz

## Lesson 3: Expanding Creativity

- 3.1: Templates
- 3.2: Terrain
- 3.3: Intro to Scripts
- Project: Create a Volcano
- Quiz

## Lesson 4: Advanced Modeling

- 4.1: Shapes
- 4.2: Solid Modeling
- 4.3: Textures and Decals
- Project: Street Lamp
- Quiz

## Lesson 5: Plugins and Customization

- 5.1: Toolbox
- 5.2: Finding and Installing Plugins
- 5.3: Using Plugins
- Quiz

## Lesson 6: Effects and Atmosphere

- 6.1: Using Particle Effects
- 6.2: Constraints
- 6.3: Manipulating Lighting
- Project: Clouds
- Quiz

## Lesson 7: GUIs (Graphical User Interface)

- 7.1: GUI Objects
- 7.2: GUI Properties
- 7.3: Making a GUI
- Project: TextButton
- Quiz

## Lesson 8: Animations

- 8.1: Animation UI
- 8.2: Making Animations
- 8.3: Applying Animations
- Project: Animations

## Resources

- **Required:** A computer with internet access and Roblox Studio installed.
- **Required:** A Roblox account to access Roblox Studio.