

In 3D Character Animation, students will animate their own Minecraft® story. Using professional animation software, they will learn concepts of storytelling, cinematography, and composition, along with key principles of animation, to create an exciting, unique story.

This is a project-based course where students take on the role of creator. In addition to technical skills, students develop the creative, critical thinking, and problem-solving skills necessary to build amazing projects from start to finish. Throughout the course, students work with industry-standard tools used by professionals. If they need any help along the way with their coursework or projects, students can reach out to experts for support by e-mail, chat, or phone.

By the end of this course, students will have built an original, professional-grade project and developed the knowledge, skills, and confidence to become creators on their own, in further study, or professionally.

Course Materials

All required materials are included with this course.

Length: One semester

UNIT 1: WELCOME TO 3D CHARACTER ANIMATION

- Lesson 1: Moving in 3D
- Lesson 2: Blender Blunders
- Lesson 3: Wrap Up

UNIT 2: SET THE SCENE

- Lesson 1: I Need a Hero
- Lesson 2: Model Mania
- Lesson 3: New Texture on the Block
- Lesson 4: Wrap Up

UNIT 3: ENEMY APPROACHETH

- Lesson 1: First Job: Add Mob
- Lesson 2: Mob-ilizing
- Lesson 3: Walk the Walk
- Lesson 4: Wrap Up

UNIT 4: HIDE AND SEEK

- Lesson 1: A Real Head-Turner
- Lesson 2: The Hiding Guide
- Lesson 3: A Game of Hide and Seek
- Lesson 4: Wrap Up

UNIT 5: FACE TO FACE

- Lesson 1: About Face
- Lesson 2: Eyes on the Prize
- Lesson 3: Wrap Up

UNIT 6: RUN FOR IT

- Lesson 1: Turn to Run
- Lesson 2: A Leg Up

- Lesson 3: A Call to Arms
- Lesson 4: Linked In
- Lesson 5: Wrap Up

UNIT 7: CAMERA, ACTION

- Lesson 1: Take Your Best Shot
- Lesson 2: Focus Pocus
- Lesson 3: Wrap Up

UNIT 8: A WILD RIDE

- Lesson 1: And Away We Go
- Lesson 2: All Aboard
- Lesson 3: Track Insanity
- Lesson 4: The End of the Track
- Lesson 5: Wrap Up

UNIT 9: THE CHASE IS ON

- Lesson 1: Order Up
- Lesson 2: Paparazzi
- Lesson 3: Cameras Galore
- Lesson 4: Wrap Up

UNIT 10: EXPLOSIVE EXPRESSIONS

- Lesson 1: Reaction Time
- Lesson 2: Kablam
- Lesson 3: Wrap Up

UNIT 11: THE FINAL ACT

- Lesson 1: The Beginning of the End
- Lesson 2: Show Your Face
- Lesson 3: Blending the Ending
- Lesson 4: Wrap Up

UNIT 12: ROLL OUT THE RED CARPET

- Lesson 1: Standards of Excellence
- Lesson 2: Render with Blender
- Lesson 3: Music to Your Ears
- Lesson 4: Export and Upload

UNIT 13: ADVANCED TOPICS

- Lesson 1: Create a New Animation
- Lesson 2: Make an Epic Screenshot