

UNREAL ENGINE

Unreal Engine Foundation

Complete Product Knowledge

A complete six-month foundation in Unreal Engine 5, the real-time 3D engine behind games, film, virtual production and simulation. Students progress from editor basics to world building, Blueprint logic, materials and cinematics.

DESIGN. BUILD. CODE. PUBLISH.



8 – 12 AGE GROUP	Beginner LEVEL	6 Months DURATION	48 SESSIONS	60 min PER SESSION	Unreal Engine 5 SOFTWARE
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6-MONTH LEARNING PATHWAY

- 1 Editor, Projects & Core Tools**
Get comfortable with the editor, project setup and asset management.
- 2 World Building & Lighting Basics**
Sculpt landscapes, place assets and light scenes to set mood and atmosphere.
- 3 Blueprint Fundamentals for Game Logic**
Use visual scripting to create interactions, triggers and simple game rules.
- 4 Gameplay & Level Design Basics**
Plan and build playable levels with cameras, collision and player flow.
- 5 Introduction to Materials & Cinematics**
Create materials and tell short stories with cameras and Sequencer.
- 6 Audio, UI, Optimisation & Packaging**
Add sound and UI, improve performance, then package and share the final project.

WHAT STUDENTS WILL ACHIEVE

- ✓ Create projects and navigate confidently inside Unreal Engine
- ✓ Understand asset types, materials, Blueprints and cameras
- ✓ Build interactive levels driven by Blueprint game logic
- ✓ Build a polished scene with materials, lighting and cinematics
- ✓ Use Unreal's UI tools, the Fab marketplace, version control and the packaging pipeline

SKILLS STUDENTS GAIN

Digital Creativity

Game Design

Attention to Detail

Critical Thinking

Problem Solving

Portfolio Development

Includes: Capstone Project + Parent Showcase

WHY ASCEND EDTECH • Minecraft Education Partner • Unreal Authorized Training Center • NASEF UAE • Best in STEM Award

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