



GAME DESIGN

PATHWAY



PATHWAY OVERVIEW

The Game Design pathway helps students build knowledge and hands-on skills in computing, digital systems, problem solving, and technology innovation.

Through Introduction to Software Technology, Computer Science Principles OR AP Computer Science Principles, and Game Design: Animation and Simulation, students prepare for postsecondary education, industry credentials, and work-based learning experiences connected to the field.



CAREER CLUSTER

Digital Technology

COURSE SEQUENCE + WORK-BASED LEARNING

1

Introduction to Software Technology

Builds computational thinking and programming skills through algorithms, application design, debugging, and collaborative software projects.



2

Computer Science Principles OR AP Computer Science Principles

Explores computing systems, algorithms, data, networks, cybersecurity, programming, and the social impacts of technology.



3

Game Design: Animation and Simulation

Develops animation, storytelling, motion, character-design, game-design, and digital-production skills through applied projects.



Work-Based Learning (Capstone Experience)

Apply technical skills through internships, client projects, coding challenges, and workplace learning with technology partners.

LEADERSHIP + INDUSTRY CONNECTIONS

CAREER & TECHNICAL STUDENT ORGANIZATION



COMPETITION OPPORTUNITIES

- Coding & Programming
- Computer Game & Simulation Programming
- Network Design
- Data Analysis
- Networking Infrastructures



CHAPTER ACTIVITIES

- Game design challenge
- Coding workshops
- Esports tournament
- Digital portfolio
- Tech support service project
- Leadership conferences



CO-CURRICULAR / INDUSTRY EXPERIENCES

- Unity Certified Associate
- FCS IT summer internship
- Esports
- Client projects
- Industry tours
- Industry panels

POSTSECONDARY OPPORTUNITIES



LOCAL / REGIONAL INSTITUTIONS

- Kennesaw State University
- Savannah College of Art & Design (SCAD)
- Gwinnett Technical College



DUAL ENROLLMENT

Metro-area dual enrollment options may include computer science, cybersecurity, programming, cloud computing, networking, web development, game design, artificial intelligence, or related technology coursework; verify through Georgia Futures.

GAfutures
Explore. Plan. Succeed.

SCHOOLS OFFERING THIS PATHWAY

Benjamin Banneker | Centennial
Global Impact Academy | Innovation Academy

CAREER OPPORTUNITIES

CAREERS

Game Designer

Interactive Media
Developer

Simulation
Designer

ATLANTA-AREA EMPLOYERS



Skillshot

