

APPLIED IDEAS IGNITION® GAME DESIGN ACADEMY

Game Design Solution for Education



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Description

The **Ignition Game Design Academy** is a comprehensive curriculum that teaches the student real-world game engine principles and what it takes to create a game level.

It demonstrates the processes involved in exporting game art from 3ds Max® or Maya® to a game engine environment in a quick and easy way, but also teaches the concepts and connections between game art and a game engine. The curriculum shows students how to write scripts that enable rich gaming features such as lighting, particle systems, sound, game play, user interaction, and character behaviors.

The Curriculum

The **Ignition Game Design Academy** provides a standards-based curriculum developed by experienced educators and technical experts. The material is customizable and delivered on CD in Microsoft® Word® .doc format so teachers can select the components that match their curriculum goals, requirements and standards for a specific course.

Ignition Game Engine Features

- Flexible Camera Configurations
- Skin/Bones Animation Support
- Full-Featured Particle System
- Region-Dependent Lighting
- Spatialized 3D Sound
- Normal Mapping
- NPC Patrolling and Behaviors
- Separate User-Interface Design Application

Academic Standards

Applied IDEAS has mapped this curriculum to the National Council of Teachers of Mathematics (NCTM) standards, the national Council for Teachers of English (NCTE) language art standards, the National Council for Science Education Standards Assessment (NCSESA), and the International Technical Educators Association (ITEA), for technology standards.

Included Teacher Resources

- Syllabus
- Student Exercises and Quiz Questions
- Evaluation Rubrics
- Glossary
- Quick-Start Guides
- Applied IDEAS offers separate teacher training seminars (Professional Development) for an additional cost.

Purchasing Options

The **Ignition Game Design Academy** can be purchased as a stand-alone program (5 seat minimum) or as a lab pack. Each perpetual license comes with the Ignition **Game Engine** and **Curriculum**. For pricing or additional information, please contact Applied IDEAS directly at 1-800-929-8155 or info@applied-ideas.com.

Minimum System Requirements

- Intel or AMD based Processor at 1.2 GHz
- 512 MB RAM
- Microsoft® Windows XP, Service Pack 2, or higher
- Graphics card supporting 1024 x 768 resolution, 24 bit color, 128 MB RAM. OpenGL
- 3dx Max® 8 or higher, Maya® 2008 or higher