



ONLINE LEARNING CONFERENCE
FEBRUARY 9-11
AMELIA ISLAND, FL & ONLINE

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Game ON!

**Use Free Online Tools to Create
Simulations and Scenario-Based
Games for Immersive Learning**



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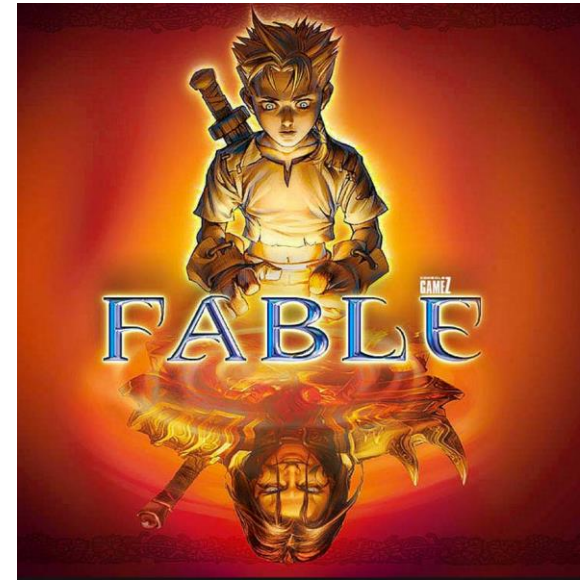
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The Point

Why use simulations and games as instructional tools?

- “Teaching with Stories” learning theory
- Decisions have consequences
- Immediate feedback
- Learning Immersion
- “Go where they are”
- Make them remember



Twine

Twine is a blueprint type design program which integrates building variables such as embedding graphics and videos, CSS, Javascript and more. The program is fully HTML compatible, which means the completed scenarios are easily embedded into most Learning Management Systems. Twine's applications as a software program extend to building simulations, games, interactive lecture content and far more, making it both an exceptional course content creation tool as well as a strong tool for students in a technology field.

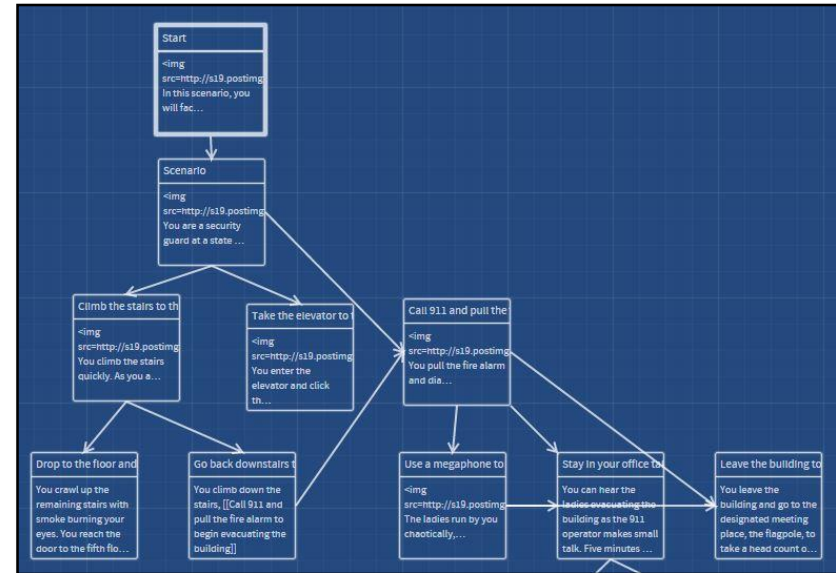
Twinery.org

Pros:

- ◆ User-friendly interface
- ◆ Visual-based story layout
- ◆ Useable online, on PC or MAC

Cons:

- ◆ Entry-level programming knowledge required
- ◆ Browser dependency



Squiffy

Squiffy is an online software system designed for constructing interactive story games, otherwise known as **Gamebooks**. While immersed in a story, readers may select options to guide the progress of the plot in any number of directions as programmed by the creator. The user interface is even compatible with HTML coding, which permits the integration of images and videos.

Textadventures.co.uk/squiffy

Pros:

- ◆ Fully HTML compatible
- ◆ Image and video integration
- ◆ Immediate online support

Cons:

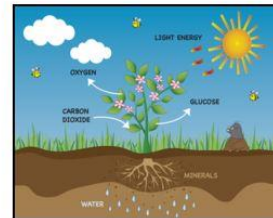
- ◆ Browser dependency
- ◆ Entry-level HTML coding knowledge (optional)

Help Tools Output

The Process of Photosynthesis

Overview:

During this activity, you will explore the process of Photosynthesis from the perspective of a plant. You are the plant, and you must control your operations to successfully complete the full process of Photosynthesis.



Objectives:

By the completion of this activity, you will be able to:

- Identify and explain the stages of Photosynthesis.
- Identify and explain the importance of Photosynthesis in nature.
- Define the term Photosynthesis.

Instructions:

1. Click on the [Start Photosynthesis](#) link to begin the activity.
2. Select options throughout the story to choose your own path through the stages of Photosynthesis.
3. Discuss your experience with your peers on the **Stages of Photosynthesis** discussion board.

Quotev

Quotev is a community website where individuals can create fan-fics, story-driven quizzes and more. The website acts as a story archive, containing a multitude of user-created content.

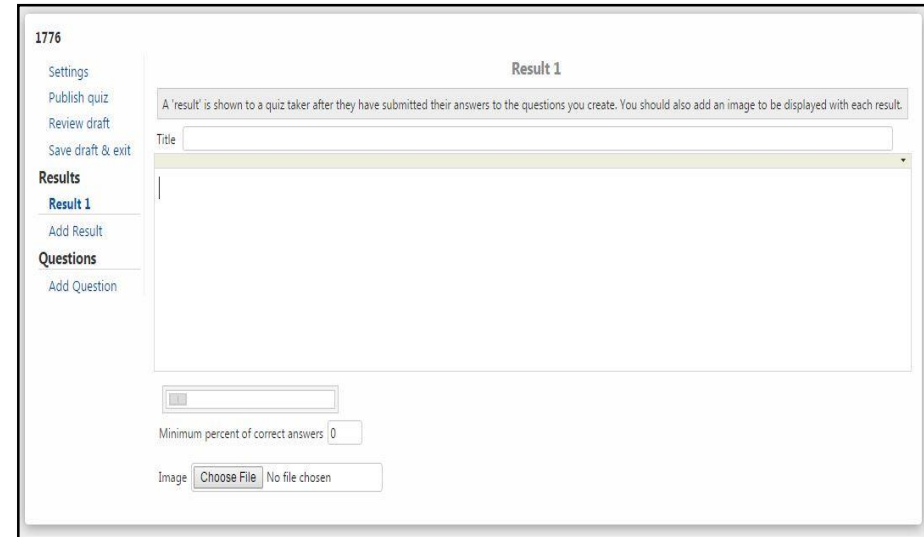
Quotev.com

Pros:

- ◆ User-friendly writing interface
- ◆ Multi-purpose (quizzes, stories, tests, polls)
- ◆ Image integration

Cons:

- ◆ Does not embed functionally
- ◆ No video integration
- ◆ Limited online support



1776

Settings

Publish quiz

Review draft

Save draft & exit

Results

Result 1

Add Result

Questions

Add Question

Result 1

A 'result' is shown to a quiz taker after they have submitted their answers to the questions you create. You should also add an image to be displayed with each result.

Title

Minimum percent of correct answers

Image No file chosen

GameMaker Studio

GameMaker Studio is a popular, user-friendly game design platform. The baseline software is free to use and apply as needed, with varied upgrades for additional features, tools and platform support. Identified by the gaming community as an entry-level program for game design, this tool is worth exploring.

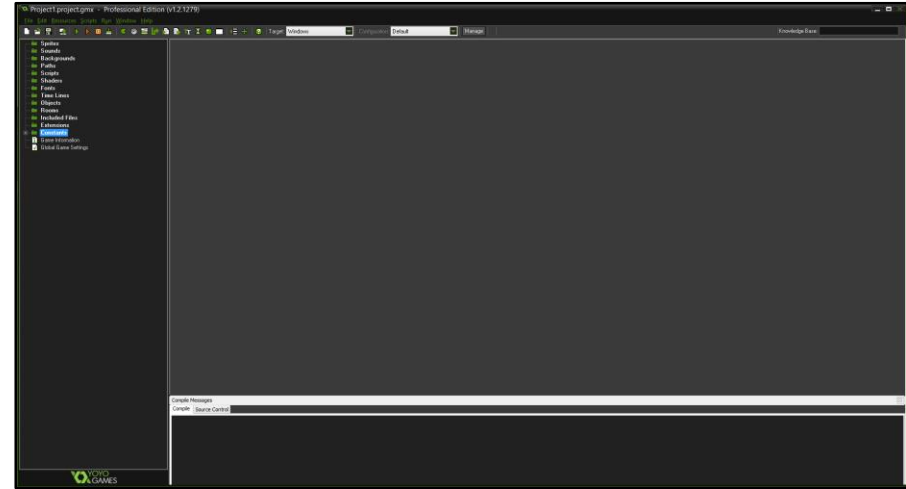
Yooyogames.com

Pros:

- ◆ Large online support base
- ◆ Cross-platform support (PC, Mac, Linux, etc.)
- ◆ User-friendly building interface
- ◆ Numerous free to download tool packets

Cons:

- ◆ Limited to 2D graphics
- ◆ Requires entry-level programming knowledge
- ◆ Moderate graphic design skills (optional)
- ◆ Restrictive engine language



Quest

Quotev is based on old-style text-based game mechanics, requiring text-entry commands to interact with the game system. This software grants access to build either a text adventure or an interactive gamebook. Either option has their own unique benefits, however both have limited visual (graphic) support.

textadventures.co.uk/quest

Pros:

- ◆ Cross-platform and mobile support
- ◆ No programming knowledge required
- ◆ Open-source and commercially licensed

Cons:

- ◆ Limited game-design options
- ◆ Text/typing-based gameplay interface
- ◆ Tenuous preparation

Create a new game

Need help? Try the [step-by-step tutorial](#), or ask for help at the [forums](#).

About the different game types

A **text adventure** is a game where the player can move around by typing in commands or clicking hyperlinks. Text adventures consist of rooms, and each room can have various objects that the player can interact with. Examples of text adventures include *Zork* and *The Hitchhiker's Guide to the Galaxy*.

A **gamebook** has pages with multiple choices that link between them. Examples of gamebooks are *Choose Your Own Adventure* and *Fighting Fantasy*.

Game name:

Game type:

Text adventure ▾

Language:

English ▾

Create

Engine001

Engine001 is an RPG game maker engine where you can create your own Action and RPG Games using point-and-click events as well as tile and sprite assets. The gameplay system implements a visual flowchart build design, limiting the required coding knowledge to almost zero.

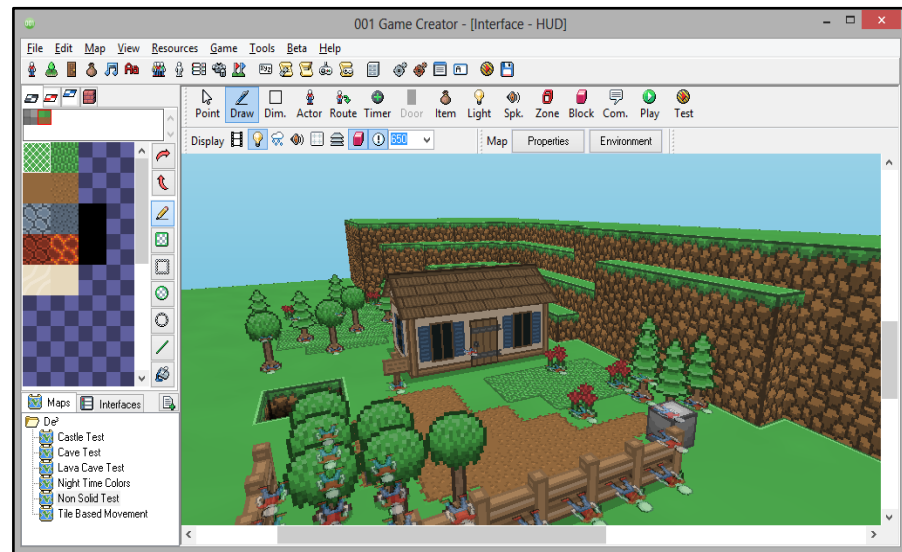
Engine001.com

Pros:

- ◆ Strong online community support
- ◆ 2D and 3D design capability
- ◆ Large asset library
- ◆ No coding knowledge required
- ◆ Visual-based scripting

Cons:

- ◆ Windows OS only
- ◆ Professional purchase required for 3D capabilities
- ◆ Moderate graphic editing knowledge required



Stencyl

Stencyl is a game building program designed for constructing 2D games across multiple platforms, including mobile devices, PC's and IOS. The system exports games to the web as flash files, and to personal devices as executable files, like most standard games.

Stencyl.com

Pros:

- ◆ Common cross-platform user-interface
- ◆ Hands on support samples
- ◆ No coding knowledge required
- ◆ Mobile compatibility
- ◆ Drag and drop interface

Cons:

- ◆ Limited cross-platform capabilities
- ◆ Restricted template design
- ◆ Some features limited to pro version, including Windows and IOS publishing capabilities





GDevelop

GDevelop is a unique, user-friendly game design system applying an event-based interface rather than coding or programming. Users establish objects, and then create actions and conditions to establish the gameplay and functionality.

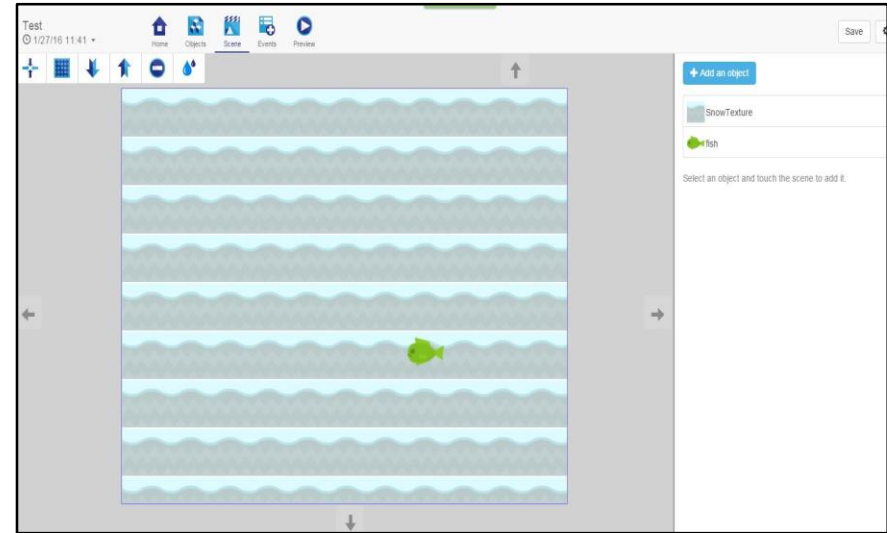
Compilgames.net

Pros:

- ◆ Browser-interface compatible
- ◆ Exports to Native or HTML coding
- ◆ Cross-platform system
- ◆ Event-based construction (actions and conditions)

Cons:

- ◆ Limited to 2D graphics
- ◆ Limited object selection for browser version
- ◆ 3





RPG Maker Ace Lite

RPG Maker Ace Lite is a game building system widely known by the gaming community for its vast tool base, high-end 2D graphic capabilities and user-friendly interface. While limited in its platform capabilities, this system offers excellent opportunities for an introduction into game-design as well as fun academic story-driven challenges.

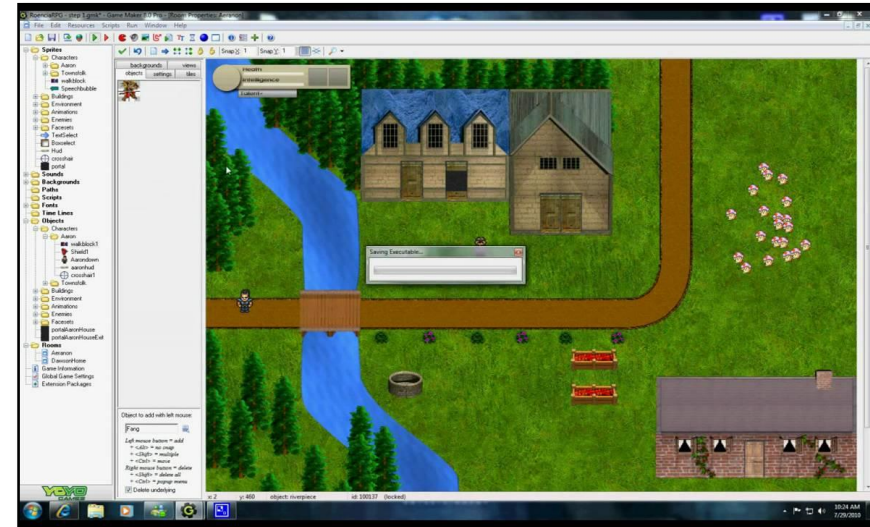
Rpgmakerweb.com

Pros:

- ◆ Vast assortment of tools and features
- ◆ Large online support system and community
- ◆ Flexible application of custom components
- ◆ Easy-to-learn interface

Cons:

- ◆ Limited to Windows
- ◆ Coding and programming knowledge required
- ◆ Restricted scripting language





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Questions??





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