





Innovative Ideas for Teaching Students with GameMaker

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Education Relations

GameMaker





Benefits Of Game Design

- Critical thinking
- Communication
- Collaboration
- Creativity
- Time management
- Problem-solving







Why Should You Teach Game Design?

"My students very much enjoy the game design units that I teach. Personally, I think that game design is effective at improving **problem-solving, attention to detail and teamwork.**"





Teaching Game Design

- Make a game step-by-step using video
- Make a game step-by-step with the teacher leading
- Make a project for students to interpret





Game Design & Computer Science

- CSTA (Computer Science Teachers Association)
- Level 2 and 3 Standards aligned skills
- Algorithms and Programming
- Impacts of computing





Art:

- Creation of game resources
- Manipulation and movement of pixel art
- Basics of digital art







Music

- Music resources bring games to life
- Learn use of music as an emotional motivator
- Learn use of music to build drama







History:

- Create a video game based on a historical event/time period
- Student's historical interpretations, narrative, and critical choices
- Reinforces cultural empathy







Language:

- Create dialogues using a second language
- Branching scenarios reinforce communication skills
- Reinforces cultural empathy







GameMaker

- Developed in 1999 for education by Professor Mark Overmars
- Easy-to-learn 2D game-making tool
- Visual and code languages
- Free educator resources
- Over 1,700 new users sign up every day







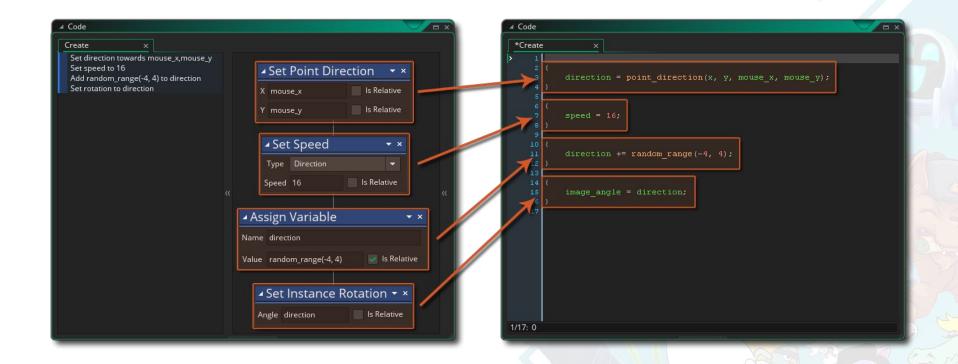
Game Design with GameMaker

- 2d Game Engine
- Shallow Learning Curve
- Visual Programming
- Code based Programming





Game Design with GameMaker







"Space Rocks"

- Introduction to GameMaker
- Short tutorial of a complete game
- Video and written tutorial
- GML Visual and GML Code versions



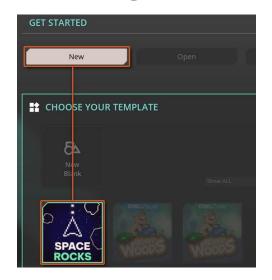




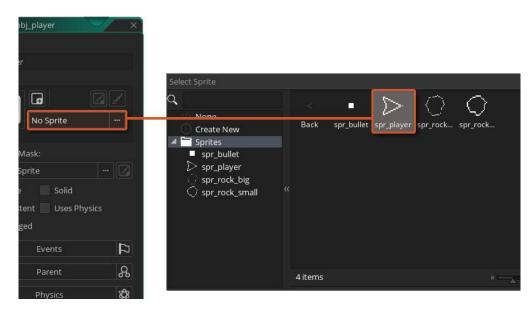






















"Fire Jump" and "Little Town"

- Complete games
- More in-depth tutorials
- Video and written tutorials
- GML Visual (Fire Jump) & GML Code (Little Town)







"How to..."- Individual Project

- Short tutorials
- Answers frequently asked questions
- Support students during the creation of independent games







More Resources

- GameMaker Blogs
- GameMaker YouTube Channel
- GameMaker Community





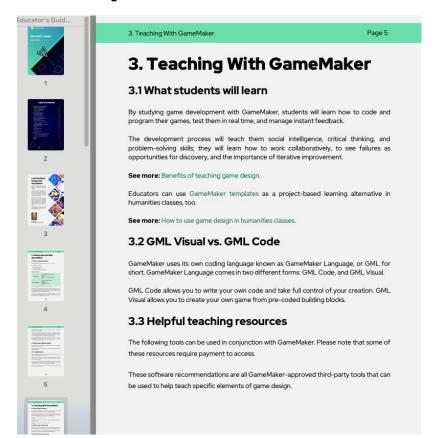








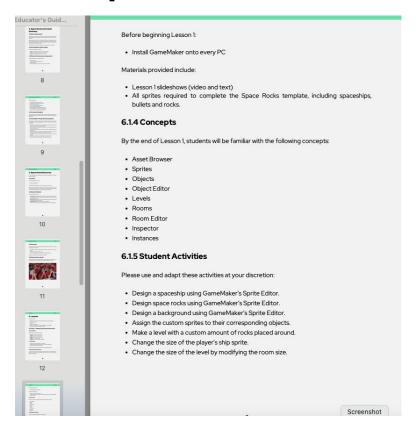
New Space Rocks Educator Materials







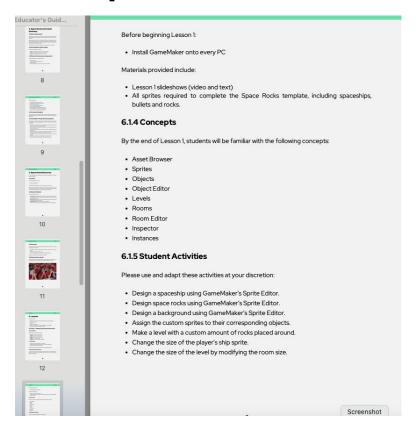
New Space Rocks Educator Materials







New Space Rocks Educator Materials







How Do I Get GameMaker?

- Educators will receive one "seat"
- This seat can be used an unlimited number of times
- No student info collected
- Student identity protected





Educator License Options

- **Educator**
- **Achiever**







Educator License Options

Educator

- GameMaker
- Learning Resources
- GX.games export
- Desktop Exports







Educator License Options

Achiever

- GameMaker
- Learning Resources
- GX.games export
- Desktop Exports
- Web Exports
- Mobile Exports
- Console Exports







Next Steps...

Keep an eye out for a follow-up email from kristiel@studica.com. It will include a recording of this webinar and additional info.

If you would like more **information**, have questions, would like to request a **quote**, or to **speak with a dedicated Educational Representative**, please contact Studica. We will be happy to assist you.

Contact Studica:

Email: info@studica.com or marketing@studica.com

Call: 888-561-7521 (M-F, 9am-5pm Eastern)

Thank You!

www.studica.com/GameMaker