

Standards-Aligned STEM and Computing Courses



Photos — Mary McHenry Photography

Globaloria is an award winning learning platform with courses in STEM, computing, game design and coding. Each course introduces students to industry tools and practices and is aligned with national, state and Common Core standards. The innovative blended-learning network features a turnkey digital platform, comprehensive professional development, and year-long expert support.

Globaloria Course Offerings

| Course | Time | Grade | Student Learning Goals |
|-------------------------------------|-----------|-------------------------------------|---|
| Essentials of Game Design | 25-35 hrs | 4 th and 5 th | Practice basic digital literacy skills and learn to participate in a blended-learning class. Learn foundational concepts of game design, mechanics and coding. |
| Intro to Game Design (JavaScript) | 40-55 hrs | 6 th and up | Learn fundamentals of game design and coding by creating a two-level game using HTML5 and JavaScript. Follow a real-world design and engineering process. (Fall 2015) |
| Intro to Game Design (ActionScript) | 40-55 hrs | 6 th and up | Learn to code and design two games using Flash and ActionScript following a real-world design and engineering process. |
| Intro to 3D Game Design | 40-55 hrs | 9 th and up | Learn to develop a 3D adventure game that is fun and educational using JavaScript and Unity. |
| Intermediate Game Design | 40-55 hrs | 6 th and up | Deepen design, programming and teamwork skills. Collaboratively create a complex learning game using a professional process. Prerequisite: Intro to Game Design (ActionScript) |
| Mobile Game Design | 40-55 hrs | 6 th and up | Learn to design and code a 2D game that leverages mobile-device features, like touch screen and smaller screen size. Export and test on mobile devices. Prerequisite: Intro to Game Design (ActionScript) |

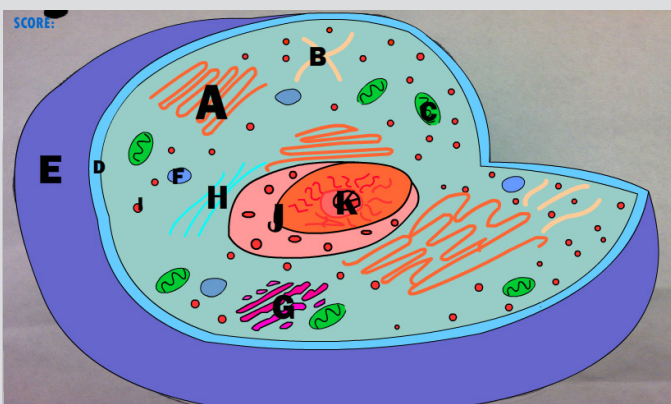


✓ Customized Learning Platform with Everything You Need

- **Step-by-step courses with tutorials** teach students to design, program and publish games using industry tools and practices.
- **Safe online learning community** where students practice digital literacy and citizenship skills.
- **Game-design journal (blog) and learning log** foster daily practice of writing, reflection and applied learning.
- **Embedded progress tracking tools** support real-time, personalized learning.
- **Built in class management and assessment tools** make review and evaluation of project-based work easy.

Easy to Integrate in the Master Schedule

- Can be customized for use in elementary through high school (Grades 4-12)
- Can be integrated into any core or elective course, or offered as a stand-alone course (standards-aligned)
- Can be offered as extended day, after school or summer program
- Can be used sequentially, for a multi-year, STEM-learning pathway
- Incorporates career competencies and cross-curricular activities into the curriculum



Core Subject Integration Model

Educator: Mr. DeLaRosa

School: Santa Teresa High School, San Jose, CA

Goal: Advance science learning, 9th-12th graders

Approach: Students use Globaloria 2.5 hr/week for a full year to design games about a core biology concept



Game Design Elective Model

Educators: Mr. Addair, Mrs. Garrett

School: Sandy River Middle School, Avondale, WV

Goal: Advance STEM learning, 7th-8th graders

Approach: Students use Globaloria 7 hr/week for a full year to design games about social issues

✓ Ongoing Educator Support Every Step of the Way

- **In-Person training:** Educators create a game and learn to use the platform for content mastery and student achievement.
- **Live Virtual Help Desk:** Experts help with technical issues, coding and game design questions all day, Mon-Fri.
- **Virtual Mentors:** Experts provide personalized coaching on implementing a blended, STEM-rich learning experience.
- **Virtual Professional Development:** Self-directed PD activities and quarterly live events help educators improve technical skills and provide class management strategies.

✓ Research Proven Impact on Student Achievement

- Increases students' academic performance in class and on standardized tests
- Boosts girls' interest in technology
- Improves learning habits and digital literacy skills
- College and workforce readiness
- Transforms teaching styles



More info: <http://globaloria.com/intro#Benefits>

Free Trial: [WWW.GLOBALORIA.COM/TESTDRIVE](http://www.globaloria.com/testdrive)

Contact info@globaloria.com to bring Globaloria to your school!