

Encourage students of any grade level to experience STEM activities like **3D printing**, **coding**, and **website design** with STEM Fuse.

## **STEM Fuse**

STEM Fuse is a digital STEM curriculum with over 20 available courses. Each STEM Fuse course comes with a teacher guide, step-by-step presentation, and lesson plan, for an easy deployment of STEM into core K-12 curriculum. STEM Fuse digital content fits any device, LMS, interactive board or panel, and can be downloaded as printable PDF files.

**STEM:IT Elementary** combines programming lessons, unplugged STEM activities, and 3D printing projects into project-based STEM lessons for core elementary subjects (ELA, Math, Science, and Social Studies). This package includes three lessons per core subject area for a total of 12 lessons for grades K-5.

**STEM:IT Middle and High School** includes cross-curricular STEM challenges in which students are faced with real-world problems and use the engineering design cycle to lead them through the process of solving them.

**READ:IT** is a fully digital and interactive RTI (response to intervention) based reading program. The systematic, multi-sensory approach incorporates all five components of reading (phonemic awareness, phonics, fluency, comprehension and vocabulary) to ensure the combination of teacher-directed instruction and intervention with independent student activities. (Available for grades K-5)

GAME:IT exposes your students to a wide range of concepts and technical skills that will greatly help them succeed in the future.

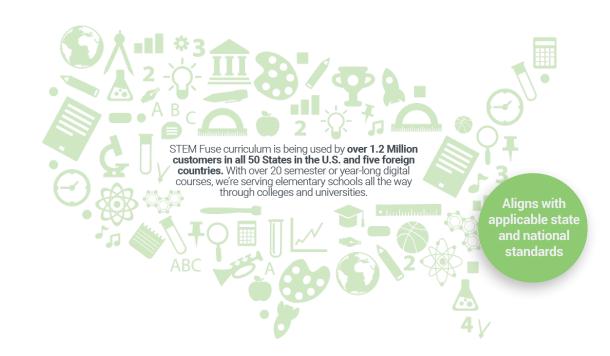
## **GAME:IT provides instruction in six critical areas:**

- 1. Skills related to software development, computer programming, and graphic design
- 2. Creative, innovative, and critical thinking
- 3. Communication and collaboration
- 4. Using appropriate and accessible digital tools for research and learning
- 5. Using engineering, physics, and mathematical concepts critical to game development
- 6. Post secondary and career options, and resources related to STEM

(Courses available for elementary, middle, and high school)

**MOBILE APP.IT** is a semester-long, project-based course that introduces students to Java programming and the development of mobile applications for Android devices.

**WEB DESIGN** is a semester-long, project-based course introduces students to web design and content management systems (CMS).



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