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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).

