

Radius



Radius - Making the STEM Connection

Radius - STEM Readiness™ is a course focusing on Math, Science, and Engineering topics such as Binary Numbers, Scientific Notation, Pythagorean Theorem, and Probability.

Radius reinforces STEM thinking through real-world application of skills, all while exposing students to exciting career opportunities in these growing industries. *Radius™* can be integrated into unit plans and used during class time, as a capstone project, or in a flipped classroom.

Recommended Grade Level: 8-11

Total Modules: 16 (20-30 minutes each)

Total Time: 8-10 hours

Subject Fit: Math or Science

Standards Alignment: Common Core Math, State Academic Math and Science Standards

Key Highlights

As a teacher, you receive:

- Real-time student score reports on your teacher dashboard
- Supplemental, offline lesson plans
- Detailed standards alignment guide with your state-specific standards
- Answer Keys for all assessments
- Engaging discussion guides

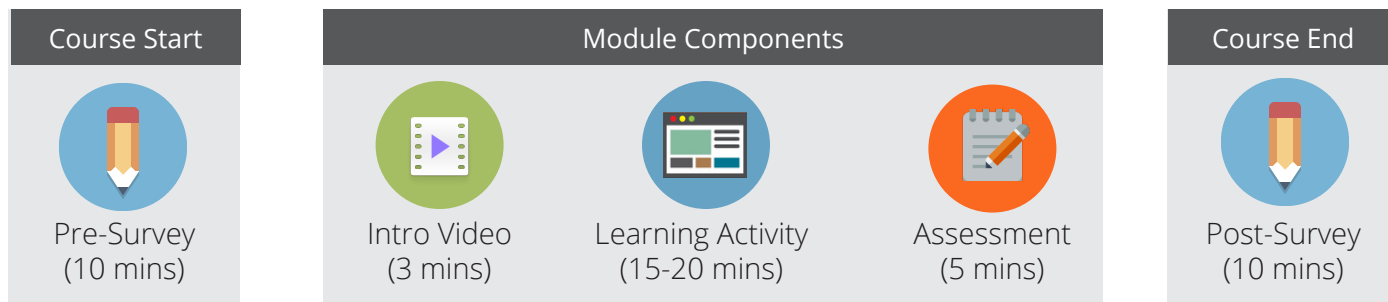
Your students will receive:

- Knowledge that will help them in the classroom
- Real-world STEM application and exposure to STEM careers
- Access to a fun, secret-agent themed learning experience
- Real-time feedback



Pythagorean Theory Activity

Radius Course Flow



EverFi Course Elements

Pedagogy based on the **Universal Design for Learning (UDL)** and **Teach for Understanding (TFU)** frameworks:



Engaging multi-media content for all types of learners



Pre, post, and formative assessments for evidence-based learning



Certificate-based skill development

Select Course Modules

Getting to Know Binary – Binary numbers are the building blocks of digital life. Without them, we'd all be in the dark. In this module, students learn how to interpret and convert binary to decimal numbers, laying the foundation for more complex number theory.

Fun with Functions & Graphs – Behind every visible design is the math that supports it. By surfacing this, we connect abstract concepts, such as functions, to practical applications. In this module, students build the foundation for Algebraic thinking, with exposure to variables, linear equations, and the Cartesian coordinate plane.

A Taste of HTML – What sets this course apart from any other digital STEM program, is that students don't just perform their understanding through rote assessments, but through an interactive HTML journal. Throughout the course, students learn about HTML and construct their own reflections in a language that will only become more meaningful as they encounter the workplace of the future: HTML.



HTML module activity

EverFi Courses Are Available at No Cost Thanks to the Generous Support of Our Sponsors

Course Module Topic Areas:

- Careers in STEM
- Functions
- Binary Numbers
- Rational & Irrational Numbers
- Writing Your First Code
- Algorithms
- Boolean logic
- Basic HTML
- Encryption/ Decryption
- Pythagorean Theorem

EverFi is the leading technology platform that teaches, assesses, and certifies students in critical life skills. Our courses have touched the lives of over ten million students.

EVERFI

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