

STEM Resources for Virtual Learning

Bedford, Freeman & Worth High School Publishers has collected a helpful list of free resources for this unexpected period of online learning, ranging from general teaching tips to subject-specific tools.

Teaching Resources

Search Engine: [Learning Keeps Going](#)

Video: [Beginner's Guide to Online Teaching](#)

Digital Toolkit: [Distance Learning](#)

Website: [Online resources for remote learning with video](#)

Webinars: [STEM Professional Development and Learning Strategies](#)

Website: [Lesson plan support](#) that incorporates popular music for improved engagement

Website: [A Guide to Getting Started with Distance Learning](#)

Tools for the Classroom

App: [Feedback on paper-based work](#)

Directory: [Open-source educational resources](#) searchable by grade level and subject

Website: [Plagiarism Checker](#)

Website: [Digital thank-you and positive reinforcement notes](#)

Website: [Growth mindset activities](#) (Applied Brainology section)

Website: [Create your own videos](#)

Math

Website: [Stats Medic](#)

Video: [Exponential growth and epidemics](#) (Math lesson)

Science

PDF: [AP[®] Physics 1 Practice Problems from Gay Stewart](#)

Videos: [Physics Dojo](#)

PDF: [Dartmouth video correlation to AP[®] Environmental Science](#)

Website: [Space images and data in real-time](#)

Website: [Experiment and sample data library](#)

Computer Science

Website: [Curriculum support](#)

Website: [Coding in Python and JavaScript](#)