



## What is STEM?

STEM is an educational curriculum that focuses on science, technology, engineering, and math (add arts for STEAM). This curriculum aligns with Next Generation Science Standards (NGSS) and prepares students for STEM-related careers.

### Why are K-12 and Higher Education Focusing on STEM/STEAM?

By one estimate, 65% of today's grade-school kids will work in jobs that haven't been invented yet. These future jobs will require technical skills not widely taught today. STEM curriculums address this knowledge gap and help prepare students for success at college and in the workplace.

### How Can Educators Use STEM in K-12 and Higher Ed?

- Stand-alone core, elective, or career technology education courses
- Supplement to a physics or math curriculum
- After-school club and STEM camps
- Community education
- Project-based curriculum or course projects
- Trade certifications
- Makerspaces

### Building a STEM Practice in Schools

#### STEP : 1

Devices  
 3D Printers  
 Circuit/Coding Kits  
 Charging Station/Carts  
 Audio Visual Equipment  
 Document Cameras  
 Headphones  
 Professional Development

#### STEP : 2

Step 1 Plus:  
 Curriculum  
 Creative Apps  
 Robotics  
 Digital Microscopes  
 Virtual Reality Sets

#### STEP : 3

Step 1 and 2 Plus:  
 HP Sprout  
 HP Zvr  
 Augmented Reality  
 Drones  
 Laser Cutters  
 Workstations

### How Can SYNNEX Help?

Our dedicated business development team can help with webinars, targeted trainings, STEM readiness assessment questionnaires, building a STEM practice, STEAM Night Out events, STEM plan implementations, and more.

### STEM Careers

- Manufacturing
- Robotics
- Logistics
- Computer Analyst
- Software Development
- Financial Advisor
- Actuary
- IT Manager
- Web Development
- Operations Analyst
- Environmental Engineer
- Network Architect
- Mechanical Engineer
- Accounting
- Medical/Health Services

**For help or  
 more information,  
 email  
[education@synnex.com](mailto:education@synnex.com)**



## What Products and Solutions are Available for STEM/STEAM?

### Devices - Windows and Chromebooks

ASUS  
Acer  
Fujitsu  
HP Sprout  
HPI  
Lenovo  
Samsung  
Surface

### 3D Printers

Craftbot  
Dremel  
Robo 3D  
XYZ

### Interactive Boards

Cisco WebEx  
LG  
Mediatech  
Optoma  
Panasonic  
Promethean  
Ricoh  
Sharp  
Surface Hub  
ViewSonic

### Document Cameras

Elmo  
Ken-A-Vision

### Projectors

Epson  
InFocus  
Panasonic  
Sony

### Headphones

JPL  
Kensington

### Digital Microscopes

Ken-A-Vision

### Robotics/Coding

Google CS First  
Littlebits  
Minecraft: Education Edition  
Pi-Top  
Sony KOOV

### Charging/Storage

Belkin  
Bretford  
Compulocks  
Ergotron  
Kensington  
LapCabby  
Tripp Lite

### Curriculum

Alive Studios  
Drawp  
MyStemKits  
STEMFuse

### Furniture/Desks

Ergotron  
Mooreco  
Paragon

### Workstations

Acer  
HPI  
Lenovo

### Virtual Reality

HP ZVR  
Lenovo Classroom VR Kit  
SYNNEX Expedition Kit (ASUS)  
Utopia 360

### Creation Tools (Creative Software/Apps)

Buncee  
Explain Everything  
Fluency Tutor  
Frontier  
Listenwise  
Scribe  
Soundtrap  
WeVideo

### Gaming

Alive Studios  
Minecraft: Education Edition  
WowWee

### Device Protection

Belkin  
Brenthaven  
Cellaris Bundle  
Compulocks  
Gumdrop  
Incipio/Griffin  
Infocase  
MAX Cases  
OtterBox  
Targus  
i-BLASON

### Wireless Collaboration

BoardShare  
Google Cast for EDU  
HP Shareboard  
Kramer VIA Campus  
ScreenBeam

### Cameras

Lenovo Mirage (180 degrees)  
Samsung Gear (360 degrees)

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