

## STEM Learning - Intermediate

ID	1
Name/Producer	Chungpa EMT - en.chungpaemt.co.kr
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering, Science
Description	All-in-one smart learning platform designed for technical education
Technology Applied	Uses MS Operating System (OS) for easy operation; has training in electricity/electronics, renewable energy, LED, information communication, automation/mechatronics, smart learning, software, testing, measurements
Notable Benefits	Provides training/seminars to bring happiness to mankind through the use of technology.

ID	2
Name/Producer	Cisco Networking Academy - netacad.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering, Business and Industry
Description	IT and digital networking courses
Technology Applied	Learning pathways include Security, Programming, Networking, IoT, OS, Business, and Digital Literacy
Notable Benefits	Courses are designed to develop the breath and depth of knowledge and skills that employers desire.

ID	
	3
Name/Producer	CodeCombat Inc. - codecombat.com
Skill Level	Intermediate
Content Type	Computer Science
Description	Gaming program to teach computer science
Technology Applied	Enables learners to begin coding faster than reading a manual.
Notable Benefits	Makes programming accessible to everyone; gives learners the feeling of wizardly power at their fingertips.

ID	4
Name/Producer	Codesters - codesters.com
Skill Level	Intermediate
Content Type	Computer Science
Description	Online learning environment with everything needed to teach coding
Technology Applied	Courses include: Intro to codesters, Intro to python - part 1 & part 2, Intro to game design, 6th grade coding, 7th grade coding, and 8th grade coding
Notable Benefits	Is a fun online coding platform; has a powerful learning management system and lessons to start teaching coding today.

ID	5
Name/Producer	Computing Central - computingcentral.net
Skill Level	Intermediate
Content Type	Computer Science
Description	Curriculum and blended solutions for teaching essential digital skills, ICT, and coding
Technology Applied	Learner-centered activities through a fun, hands-on approach; is fully graded with coding and robotics included at several levels
Notable Benefits	Computing and ICT is increasingly regarded as a new literacy; materials available in multiple languages.

ID	6
Name/Producer	Cozmo & Code Lab - education@anki.com
Skill Level	Intermediate
Content Type	Computer Science, Engineering
Description	Coding education platform
Technology Applied	Provides visual programming with a touch-friendly & fully icon-based interface. Platform has a familiar foundation based on Scratch blocks.
Notable Benefits	Uses Python programming language that's simple, scalable, and widely seen as the new standard for coding education.

ID	7
Name/Producer	CyberPatriot - uscyberpatriot.org
Skill Level	Intermediate
Content Type	Computer Science, Science
Description	Program that inspire's users toward careers in cybersecurity or other science and STEM disciplines
Technology Applied	Competitions pose users as newly hired IT professionals; camps emphasize learning of cybersecurity, and elementary program engages students in STEM disciplines
Notable Benefits	The National Cyber Education Program was created by the Air Force Association. Teams are given virtual operating systems and are tasked with finding and fixing cybersecurity vulnerabilities while maintaining critical services.

ID	8
Name/Producer	Dev Boot Camp - developer-bootcamp.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science
Description	Immersive 19-week coding bootcamp
Technology Applied	Learn HTML, JavaScript, Bootstrap, Python, JQuery, and more
Notable Benefits	Designed to make graduates job-ready by the end of the program.

ID	9
Name/Producer	Dexter Industries - dexterindustries.com
Skill Level	Intermediate
Content Type	Computer Science, Engineering
Description	Educational robotics company
Technology Applied	Robotic kits that connect LEGO Mindstorms with the Rasperry PI single board computer
Notable Benefits	Allows for better understanding of computer science concepts when done through something tangible in the physical world; real learning happens when mistakes are made, and the best engineers are those that can figure out problems.

ID	10
Name/Producer	Digedu - digedu.io
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Business and Industry
Description	Digital learning and technology online school
Technology Applied	Computers for Beginners courses, Digital Marketing courses, Just for Fun courses, Word Press and Web Design courses, Adobe, Graphic Design, and Mobile App Development courses
Notable Benefits	In an increasingly tech-centric world, tech skills are becoming more important. Online training can help anyone master technology to achieve their professional goals.

ID	11
Name/Producer	enCode Create - encodecreate.com
Skill Level	Intermediate
Content Type	Computer Science
Description	Learn to write code while making video games
Technology Applied	Computer science curriculum, online courses, professional development, and training for STEM instructors
Notable Benefits	All games are created using the Java programming language; gives students a thorough understanding of how computers work and how video games are made.

ID	12
Name/Producer	Firia Labs - firialabs.com
Skill Level	Intermediate
Content Type	Computer Science
Description	Curriculum and learning platform for Python programming
Technology Applied	Products include: CodeBot, Jumpstart Python, accessories, and training
Notable Benefits	Has an easy to use browser-based software and interactive curriculum modules. Is project driven and uses physical computing-based robotics with micro-bits.

ID	13
Name/Producer	Flatiron -flatironschool.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science
Description	Coding bootcamp
Technology Applied	Learn software engineering, data science, UX/UI design, and cybersecurity analytics.
Notable Benefits	Learn remotely and gain the skills to change your career; don't just land a job, launch a career

ID	14
Name/Producer	General Assembly Coding Bootcamps - <a href="https://generalassemb.ly/">generalassemb.ly/</a>
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering
Description	Online courses in today's most in-demand skills
Technology Applied	Choose a path of full-time (10 - 13 week) immersive learning, or part-time to enhance professional potential.
Notable Benefits	Allows for online learning at any level, and for flexible part-time classes. We are the future of work.

ID	15
Name/Producer	Girls Who Code - girlswhocode.com
Skill Level	Intermediate
Content Type	Computer Science, Engineering
Description	Mission is to close gender gap in tech and encourage female engineers
Technology Applied	Programs include clubs (after school for 3rd - 6th & 6th - 12th); Summer camps (2 week camps for 6th - 12th); Summer immersion (7 week programs for 10th - 11th), and College Loops (program to help alumni succeed on campus)
Notable Benefits	Encourages girls by changing the image of what a programmer looks like and does; provides a clear pathway for girls from middle and high school into the computing workforce.

ID	16
Name/Producer	Github - github.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science
Description	World's largest community of developers
Technology Applied	Site to discover, share, and build better software
Notable Benefits	From open source projects to private team repositories; is an all-in-one platform for collaborative coding.

ID	17
Name/Producer	Grok Learning Pty Ltd. - groklearning.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science
Description	Coding courses, competitions, and more
Technology Applied	Course languages in Arduino, BBC microbit, CSS, HTML, JavaScript, Python, and SQL; also has topics in cyber security, DT, DT+X
Notable Benefits	Learning to code has never been so accessible; has challenging problem-based learning; code from any device, at any time with intelligent automarking.

ID	18
Name/Producer	IDE Corp - wingware.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science
Description	Intelligent development environment for Python
Technology Applied	Python development tool with intelligent editor, powerful debugger, easy code navigation, integrated unit testing, remote development capability, and is customizable
Notable Benefits	Wing Python IDE was designed from the ground up for Python, to bring a more productive development experience.

ID	19
Name/Producer	IBM Skills Gateway - <a href="https://ibm.com/services/learning/ites.wss">ibm.com/services/learning/ites.wss</a>
Skill Level	Intermediate, Advanced
Content Type	Computer Science
Description	Self-paced courses and hands-on labs
Technology Applied	Explore, learn, succeed - AI learning, Analytics, Cloud, Blockchain, Finance, IT Infrastructure, Mobile, Professional Skills, Watson Academy (Watson health, Watson supply chain), and Security.
Notable Benefits	What skills do you want to learn today: Resources to take a class, track my learning, and get a badge

ID	20
Name/Producer	Intel Education: the Journey Inside - <a href="http://www.intel.com/education">www.intel.com/education</a>
Skill Level	Intermediate
Content Type	Computer Science, Science
Description	Collection of 35 interactive, online lessons to learn about technology, computers, and society
Technology Applied	Six sections include: Intro to computers, Circuits & switches, Digital information, Microprocessors, the Internet, and Technology and society
Notable Benefits	Many lessons utilize interactive, media-rich Flash activities, virtual field trips, and videos for an increased understanding of the world of technology.

ID	21
Name/Producer	Journey Ed - journeyed.com
Skill Level	Intermediate
Content Type	Computer Science, Engineering, Business and Industry, Art, Music
Description	EDU techstore of products and services
Technology Applied	Office productivity, computers and tablets, antivirus and security, CAD engineering, graphics, art and design, music and video, OS and utilities, and electronic accessories
Notable Benefits	Software includes STEM/STEAM, rrt & music, critical thinking, graphing, typing; also has electronics and learning aids for instruction.

ID	22
Name/Producer	NCLab - nclab.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering
Description	Helps businesses and educational settings to provide training in high-demand digital and STEM skills
Technology Applied	Innovative, self-paced online courses in Computer Programming, 3D Modeling, and other essential STEM and Industry 4.0 subjects
Notable Benefits	From 5 week coding blocks to full semesters. Includes up to 225 levels, creating a smooth learning curve that ensures the grasping of complex STEM concepts.

ID	23
Name/Producer	Robolink - robotlink.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering
Description	Robotic kits that bring computer science to life and teach industry competency
Technology Applied	Has Zumi (a car that learns as you learn though AI), CoDrone (which uses code to take flight), RokitSmart (which is a 11-in-1 robot that encourages thinking like engineers)
Notable Benefits	Makes STEM learning accessible, engaging, and fun for all; teaches programming and AI through robots.

ID	24
Name/Producer	Robotics Inc. - roboticsinc.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering
Description	Extensive line of robotic products to be tailored to specific requirements
Technology Applied	Dispensing equipment, drying and cooling systems, and ancillary automation
Notable Benefits	Most products are modular in design and allow for cost efficient configurations. Also allows for designing and building custom systems.

ID	25
Name/Producer	Shanghai xPartner Robotics Co., Ltd. - abilix.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering, Science
Description	Educational robot brands
Technology Applied	120 different types of educational robots and 50 sets of robot teaching materials
Notable Benefits	Educational robots are currently used in 31 countries as platforms for teaching, competition, and scientific activities.

ID	26
Name/Producer	STEM Education Works Powered by SDI Innovations - stemeducationworks.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering, Science
Description	Delivers authentic, industry-aligned learning experiences for technical competencies
Technology Applied	Products include curriculum for robotics, 3D printing, IoT coding blocks, microcomputers, and makerspace
Notable Benefits	Mission is to help students to become better problem solvers, critical thinkers, and collaborators - all skills necessary in the workforce.

ID	27
Name/Producer	STEM Supplies - stem-supplies.com
Skill Level	Intermediate
Content Type	Engineering, Math, Science
Description	STEM products and services
Technology Applied	Kits for project-based learning in Science, Technology, Engineering, Mathematics, Makerspace, and Multimedia
Notable Benefits	Uncover the structure and behavior of the physical and natural world through observation and experimentation.

ID	28
Name/Producer	Studica - studica.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering
Description	STEM Education platform
Technology Applied	Robotics, game development/design programs, software, 3D printers, pen tablets, hardware, and more
Notable Benefits	Partners with innovative companies to provide exceptional software and technology products at affordable prices. Provides informative webinars and webcasts.

ID	29
Name/Producer	Teach to Inspire -teach2inspire.com
Skill Level	Intermediate
Content Type	Engineering, Math, Science
Description	STEM lesson plans
Technology Applied	Lesson plans, app building, keyboarding, games, and more
Notable Benefits	Know how to communicate, produce, and learn with a new coding language to make life an unending adventure to grow on.

ID	30
Name/Producer	Vernier Software & Technology - vernier.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering, Science
Description	Wireless family of sensors
Technology Applied	Innovative technology, experiments, tech info library, webinars, grants, workshops, innovative user info, and supporting research
Notable Benefits	Supported by over 350-tested experiments. Learners can conduct experiments with technology that connects to mobile devices, chromebooks, or computers.

ID	31
Name/Producer	VEX Robotics, Inc. - vexrobotics.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering
Description	Robotics and curriculum
Technology Applied	STEM labs, coding studios, IQ curriculum, application examples, and DC motor testing
Notable Benefits	Creates the tools that can shape the learners of today into the problem solving leaders of tomorrow.

ID	32
Name/Producer	Vocareum - vocareum.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering
Description	Cloud-based programming and computing labs
Technology Applied	Programs in programming, big data, machine learning, web, robotics, embedded, network security, cloud computing, and IoT
Notable Benefits	Has cloud labs to support courses; also has assignment management, automatic grading, cloud IDE, plagiarism detection, and native notebook support.

ID	33
Name/Producer	Wasp Barcode Technologies - waspbarcode.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Business and Industry
Description	Asset & equipment tracking software (barcoding)
Technology Applied	Tag it, scan it, track it; has complete barcode solutions
Notable Benefits	Software, award-winning hardware, comprehensive training, and technical support

ID	34
Name/Producer	XtremeLabs - xtremelabs.io
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering
Description	Online IT training and lab solutions for business and educational organizations
Technology Applied	Has a library of more than 900 IT lab environments covering industry standards and custom courses; available in multiple languages.
Notable Benefits	Careers, companies, and innovation are built on know-how and skills.