

STEAM Learning - Maker and Multimedia

ID	1
Name/Producer	Afinia 3D - afinia.com
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	3D printers for home, business, or education
Technology Applied	H + 13D printer, 3D plastic filament, Depot Magician, Sliding rail kit, H800 + 3D printer, and 3D scanners
Notable Benefits	Has 3 software and drivers with remote desktop support; Brings you a better 3D printing experience.

ID	2
Name/Producer	Artec 3D - artec3d.com
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	Professional 3D scanners
Technology Applied	Used for 3D digitizing real-world objects; utilizes complex geometry and rich texture in high resolution.
Notable Benefits	A global leader in handheld and portable 3D scanners that are high quality, yet easy to use. Has smart, user-friendly 3D software and an SDK that provides the best integration possibilities, whatever the application.

ID	3
Name/Producer	Afinia 3D - afinia.com
Skill Level	Grades 9 - 12, Higher Ed, Adult
Content Type	All subjects
Description	3D printers for home or education
Technology Applied	3 software & drivers, remote desktop support, H + 13D printer, 3D plastic filament, Depot Magician, Sliding rail kit, H800 + 3D printer, 3D scanners
Notable Benefits	Brings you a better 3D printing experience.

ID	
	4
Name/Producer	
Autodesk, Inc. - autodesk.com/education	
Skill Level	
Grades 9 - 12, Higher Ed, Adult	
Content Type	
Engineering, Career and Technical Ed	
Description	
3D design software and services for architecture, engineering, and construction	
Technology Applied	
3D CAD software, civil engineering, drafting, manufacturing, product design; can find by industry, and industry collections	
Notable Benefits	
Design software and learning academy with certifications & training; access the same software used by industry leaders worldwide.	

ID	5
Name/Producer	Aurora Mobile Immersive Solution - otinc.org
Skill Level	Grades 6 - 12, Higher Ed, Adult
Content Type	All subjects
Description	Augments traditional teaching practices
Technology Applied	Uses dynamic ambient light, sounds, wind, haze and scent ; use standalone or connect to existing presentation screens.
Notable Benefits	Uses multi-sensory technology to stimulate multiple senses, and create exciting experiences which children will remember.

ID	6
Name/Producer	Autodesk, Inc. - autodesk.com/education
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	3D design software and services for architecture, engineering, and construction
Technology Applied	3D CAD software, civil engineering, drafting, manufacturing, product design; can find tools by industry
Notable Benefits	Design software and learning academy with certifications and training; access the same software used by industry leaders worldwide.

ID	7
Name/Producer	ByteSpeed, LLC - bytespeed.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering, Business and Industry
Description	Customized computer hardware, enterprise networking solutions, and professional IT services
Technology Applied	Desktops for everyday or most demanding programs; workstations for design, video editing, VR, CAD, 3D, and laptops
Notable Benefits	Has industry leading warranty and free lifetime tech support; free education resources and tech software

ID	8
Name/Producer	Canon USA - usa.canon.com/educationsales
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Digital cameras and accessories
Technology Applied	Digital SLRs for photojournalism, and photography/video equipment for media production; also has PD
Notable Benefits	Enhances learner engagement with digital video production and inquiry-based instruction

ID	9
Name/Producer	Epilog Laser - epiloglaser.com
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	Leader in laser engraving, cutting, and marking
Technology Applied	Product line is Zing 16.24 lasers, Mini 18/24 and Helix lasers, Fusion Pro 32/48 lasers, FiberMark 24, G2 Galvo lasers, and preowned machines
Notable Benefits	Allows for learning about laser engraving directly onto most materials; also allows for cutting a wide variety of materials and marking metal.

ID	10
Name/Producer	Esri - esri.com
Skill Level	Intermediate, Advanced
Content Type	Engineering, Math, Science
Description	Mapping and spacial analytics software
Technology Applied	Platform to discover, use, make, and share maps from any device; has apps to implement the right mapping framework for organization
Notable Benefits	Interactive maps make learning come alive in any subject area.

ID	11
Name/Producer	GoPro - gopro.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Cameras and accessories
Technology Applied	Cameras, drones (for capturing video), Stabilization devices, Mounts & accessories, and Advanced systems
Notable Benefits	Make quick stories by transforming phone content to video; capture footage in the air through drone, handheld, or body mounted. Re-live ultimate reality every day.

ID	12
Name/Producer	Leading Technology Micro. Inc. - LTMicro.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Business and Industry, Art and Media
Description	World's leading graphics and video technology provider
Technology Applied	Used for 3D flight simulators, movie animation studios, video editing equipment for professionals, CAD/CAM user products, and high performance computing labs
Notable Benefits	Satisfies the ever-changing needs of users with value-added products and services; emphasizes ongoing processes for constant improvement.

ID	13
Name/Producer	Leap Motion, Inc. - leapmotion.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Business and Industry
Description	Software and hardware platform that brings bare hands directly into virtual and augmented reality
Technology Applied	With VR developer kit, can use for apps such as drawing in the air, shooting targets in outer space, or bending the rules of reality.
Notable Benefits	Latest hand tracking brings AR/VR to next level; hands initialize faster and track better against complex backgrounds and extreme lighting conditions.

ID	14
Name/Producer	Lulzbot 3D Printers - lulzbot.com
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	Professional 3D printers & accessories
Technology Applied	3D printers, tool heads, filament, and accessories for rapid 3D prototyping
Notable Benefits	Iterate faster, reduce lead times, build custom fixtures and tooling, and manufacture just-in-time.

ID	15
Name/Producer	MakerBot Industries - makerbot.com
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	3D printing solutions and manufacturing workstations
Technology Applied	An automated, tinker-free industrial printing system. Prints real, production-grade ABS with 100C heated chamber; also manufactures ready-made materials including real ABS, PETG, TOUGH, and more.
Notable Benefits	Tackle problems at any skill level; use "Thingiverse Education" to access a community rich in content and tools, and use guidebooks, innovation centers, certification programs and more.

ID	16
Name/Producer	Makey Makey - makeymakey.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Engineering, Art
Description	Invention kit for the 21st century
Technology Applied	Turns everyday objects into touchpads and combines them with the Internet; simple kits for beginners, and advanced kits for experts doing art, engineering, and everything in between.
Notable Benefits	Started as a project at MIT; belief is that everyone can create the future and change the world, and that the whole world is a construction kit, if chosen to be seen that way.

ID	17
Name/Producer	Mastercam/CNC Software, Inc. - mastercam.com
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	CAD/CAM software tools for variety of programming needs, from basic to complex
Technology Applied	Takes parts from design to production line, and has parts with leading-edge features & education suite; Use to mill, design, lathe, mastercam for solidworks, mill-turn, wire, and router.
Notable Benefits	Quick Part's Intro module gets users cutting fast and learning the world's most widely-used CAM software; available to learning institutions at sizable discounts.

ID	18
Name/Producer	MSI Computer Corporation - us.msi.com
Skill Level	Intermediate, Advanced
Content Type	Computer Science, Business and Industry
Description	Gaming and eSports IT provider
Technology Applied	Crafts top-notch notebook PCs, graphics cards, motherboards, and desktop PCs
Notable Benefits	Provides cloud servers, tailor-made IPCs, intelligent robotic appliances, and human-centric vehicle electronics.

ID	19
Name/Producer	Padcaster - padcaster.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Provides audio visual products and accessories to attach to mobile devices -- primarily iPads and Phones
Technology Applied	One snap secures iPad into frame; frame slides into portable Tripod/Monopad; add any range of lenses to make unique sounds & vision
Notable Benefits	Enables users of mobile devices to create professionally produced content; has hardware and software solutions to enable users to shoot, edit, and share professionally produced content.

ID	20
Name/Producer	PTZOptics - ptzoptics.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Home for 3G HD-SDI, HDMI, IP streaming, and USB live streaming cameras
Technology Applied	Products & tools for PTZOptics, SDI models, USB models, NDI models, IP camera controllers, Zcams, and support
Notable Benefits	Provides knowledge base of instructions and video for camera quick start, control, tools, streaming, USB extension, 3rd-party integration, camera issues, and other products; also has a community forum.

ID	21
Name/Producer	Reallusion, Inc. - reallusion.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	2D and 3D animation software and content developer
Technology Applied	Pro-character animation, facial and body mocap, and voice lipsync solutions for real-time filmmaking
Notable Benefits	Provides realtime cinematic animation, virtual production, and motion capture tools that connect professional 3D animation technologies to creators from indie to studio.

ID	22
Name/Producer	SnapStream - snapstream.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	TV monitoring, logging, recording, and searching
Technology Applied	A TV software company that monitors TVs for compliance; allows for recording, searching, clipping, and posting to social media. Can distribute IPTV over the LAN.
Notable Benefits	Coordinates TV workflows for hundreds of organizations; supports customers like The Daily Show, Last Week Tonight, Samantha Bee, and the U.S. Senate.

ID	23
Name/Producer	Soundtrap - soundtrap.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Allows for creative sound recording in all subjects, ages, and ability levels
Technology Applied	Includes assignments, lesson plans, and more; connects to own microphone, guitar, or other instrument; has 4,000 high quality beats and presets; allows for making own beats in easy way
Notable Benefits	Transforms spoken word into text, and edits like a text document; allows for multiple people to collaborate; takes workflow to the next level with game-changing interactive transcript.

ID	24
Name/Producer	Storyboard That - storyboardthat.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Browser-based storyboard creator
Technology Applied	Creates storyboards, graphic organizers, comics, and powerful visual assets
Notable Benefits	Includes many layouts and hundreds of characters, scenes, and search items; can display content through presentation software, post to social media, or embed on a blog.

ID	25
Name/Producer	STEAM - store.steampowered.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Ultimate destination for playing, discussing, and creating games
Technology Applied	Access games instantly; join STEAM community; experience S hardware, and release your game
Notable Benefits	A set of tools and services that help game developers and publishers get the most out of distributing games on STEAM.

ID	26
Name/Producer	Stratasys - Stratasys.com
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	3D Printers and materials
Technology Applied	Continuous build 3D-Printers, Frotus 380 Carbon Fiber, Poly Jet, tooling, modeling, testing, resources, and support
Notable Benefits	World's leading 3D printing company; empowers global businesses to reimagine the way they design and manufacture products; has industry-leading hardware, widest range of materials on the market, and intuitive software.

ID	27
Name/Producer	Thinglink - thinglink.com/edu
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Visual storytelling with interactive media
Technology Applied	Images, video, and 360 editors for single person or multiple person use
Notable Benefits	Create unique experiences with interactive images, videos, and 360 degree media.

ID	28
Name/Producer	Toon Boon - toonboon.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Animation software
Technology Applied	Use to produce movies, TV shows, games, explainer videos, and advertisements
Notable Benefits	The best animation studios in the world use Toon Boon software; makes production process much more efficient and less stressful.

ID	29
Name/Producer	Triad Interactive Media, Inc. - triadinteractivemedia.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Builds interactive media
Technology Applied	Use to design and develop learning resources, training, promotional media, serious games, and interactive tools
Notable Benefits	Provides technology to build next-generation products because of the transformative power of technology-enhanced media and interactive tools to engage and motivate users.

ID	30
Name/Producer	VBrick Systems Inc. - vbrick.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Cloud-based enterprise video platform
Technology Applied	Brings reliable live webcasting, video recording, video-on-demand, and mass audience viewing to any device.
Notable Benefits	Performs three video essentials exceedingly well -- capture, manage, and distribute so anyone, anywhere can watch, webcast, collaborate, train, educate, and innovate.

ID	31
Name/Producer	Verkada - verkada.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Manages cameras from an easy-to-use platform
Technology Applied	Allows for accessing footage remotely. Has a free 30-day trial, and is built for durability & enterprise-grade security.
Notable Benefits	View webinars to learn about product; get a live demo of a sleek, modern security camera system.

ID	32
Name/Producer	Wanhao 3D Printers - wanhao3dprinter.com
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	3D printers and accessories
Technology Applied	Models include: GRI, D6 GR2, D7 Plus, D7 V1.5, i3V2.1, i3 Plus, i3 Mini Dg/Enclosure kit, D6 Plus, MK2, D45, D55 Mini, D55 D9/300, D9/44, D9/500, i3/V2.0
Notable Benefits	Has a learner center with list of beginner to advanced CAD programs. Is the ultimate 3D printing store that provides customers with a total investment.

ID	33
Name/Producer	WeVideo, Inc. - wevideo.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Online video editor software
Technology Applied	Capture, create, view and share movies at up to 4K resolution for stunning playback anywhere.
Notable Benefits	Use on any device, and users can collaborate on any video project; this is the only video product selected for inclusion in Google's Creative Bundle for Chromebooks.

ID	
	34
Name/Producer	
Xante Corporation - xante.com	
Skill Level	
Intermediate, Advanced	
Content Type	
Business and Industry, Art and Media	
Description	
Multimedia, digital printing press	
Technology Applied	
En/press, Envite, Impressia, X-32 UV printer, HWC heavyweight champion, EXCELAGRAPHIX 4800, workflow solutions, consumables, and supplies	
Notable Benefits	
Helps print shops eliminate costly errors and inefficiencies while simultaneously increasing print options and quality.	

ID	35
Name/Producer	XYZprinting, Inc. -
Skill Level	Intermediate, Advanced
Content Type	Engineering, Business and Industry
Description	Cost-effective 3D printing for personal use and businesses
Technology Applied	Explorer nano series, mini series, 3D pen series; Educator original series, Jr. series; Professional color series, Pro series, Nobel series, 3D scanner series, and add-ons
Notable Benefits	Instruct or learn your first 3D printing lessons because 3D education program curriculum comes free, including lesson plans, free projects, My STEAM, and redeem lessons.

ID	36
Name/Producer	Zoom Video Communications - gotomeeting.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Allows for hosting and attending online meetings
Technology Applied	Promotes online collaboration and is mobile friendly. Has meet face-to-face, share your screen, calendar integration, meeting app, screen sharing, video conferencing, and conference call
Notable Benefits	Try it for free; millions of people worldwide trust GoTo Meeting for online collaboration.

ID	37
Name/Producer	Zspace Inc. - zspace.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Creates AR and VR experiences
Technology Applied	All-in-one laptop computers with AR and VR capabilities, learning apps, and educational content
Notable Benefits	Worlds first AR/VR laptop. Creates engagement through exploration and experiential learning in a user-centered environment.

ID	38
Name/Producer	Zulogic - zu3d.com
Skill Level	Intermediate, Advanced
Content Type	Business and Industry, Art and Media
Description	Creates stop-motion animation
Technology Applied	Create animations on PC, Mac or iPad; use a webcam, smartphone, or tablet for the camera; includes all fully featured software
Notable Benefits	Animate anything, and bring stories to life through stop-motion animation. Create films. If you can imagine it, you can make it.