EMERGING TECHNOLOGY GUIDE

makerSPACE

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The driving force behind makerspaces is rooted in the maker movement, a following comprised of artists, tech enthusiasts, engineers, builders, tinkerers, and anyone else with a passion for making things.

Coding and Robotics

At its core, robotics and coding moves students away from the solitary interface of a computer screen and into a collaborative environment providing a sensory learning experience, and an increase in hands-on innovation.

3D Printing

By providing a rapid production and prototyping tool, a 3D printer in the classroom enhances and expands students' understanding of existing concepts while allowing exploration of new possibilities, leading to better problem-solving and more active experimentation.

Virtual Reality

Virtual reality allows students to interact with three-dimensional images or environments in a seemingly real or physical way providing learning opportunities that districts wouldn't have access to.

mobile learning

Teaching and learning becomes more individualized and can be extended beyond the traditional classroom with the adoption of mobile learning strategies.

1:1 Computing

The goal for 1:1 mobile initiatives is to enable teachers and software to deliver more personalized content to students, to boost students' technology skills, and to empower children to do more complex and creative work.

Mobile Device Management (MDM)

MDM is critical to enterprise success, enabling the monitoring and management of mobile device deployments in education.

Content & Curriculum Solutions

The open education resources movement for digital curriculum has spawned a new ecosystem of education service providers.

Digital inking devices, devices that allow students to use an electronic pen to write on a screen, are on the rise.

Source: NY Times

Microsoft Surface

New Surface Pro

- Intel© i5 Processor, 8 GB RAM, 256 GB SSD
- Ultrathin, fast, and versatile
- Up to 13.5 hours of battery life
- Runs Windows, Office, and professional grade software

DSC# 112333 | ESRP $1,749.00

Surface Laptop

- Intel© i5 Processor, 8 GB RAM, 256 GB SSD
- The perfect balance of portability and performance
- Vibrant 13.5 inch PixelSense Display with immersive touchscreen
- Up to 14.5 hours of battery life

DSC# 111518 | ESRP $1,855.70

Commercial pricing available

wacom

Wacom MobileStudio Pro

- Powerful enough to run professional 2D, 3D, and CAD applications
- Intuitive, accurate pen-on-screen drawing experience creates virtually no lag
- Up to 4k resolution and life-like color allows them to see every image in perfect detail
- ExpressKeys, Radial Menus, and multi-touch controls provide simple time-saving shortcuts

DSC# 112870 | ESRP $3,137.11

Wacom Cintiq Pro 13

- 4x greater accuracy and pressure sensitivity
- Compact, slim design takes up minimal desk space
- The best 4k display with world class color performance
- Natural interface with multi-touch gestures

DSC# 106302 | ESRP $1,221.11

EDU pricing available

DELL

Dell Chromebook 11

- Tested for durability, pressure, shock, vibration and more so it can stand up to students
- Fully sealed keyboard provides spill protection
- Automated updates and virus protection
- Lightweight design with a compact 11.6" display

Contact your account manager for a quote

Mobile devices in the classroom has grown by 363% over the past 7 years.
Source: National Assessment of Educational Progress survey

lockncharge

Joey 30 Cart™

- Charges up to 30 Chromebooks, tablets, or laptops
- Top-loading design allows easier and quick access to devices
- Optional baskets and lock down kits available
- High-quality steel and padlock keeps devices secure

DSC# 112316 | ESRP $1,274.74

Carrier 30 Cart™

- Charges up to 30 Chromebooks, tablets, or laptops
- Top-loading, sliding lid for easier and quick access to devices
- Side channels and six removable baskets for ease of use
- ECO Safe Charge allows all devices to be charged simultaneously

DSC# 110902 | ESRP $2,295.55

PowerGistics

Tower16

- Charge, store, and secure 16 devices up to 11 inches
- Vertical design saves space in the classroom
- Students can easily manage devices allowing class to start on time
- Made in Wisconsin using the highest quality materials

DSC# 111703 | ESRP $1,403.60

Tower20

- Charge, store, and secure 20 devices up to 11 inches
- Vertical design saves space in the classroom
- Students can easily manage devices allowing class to start on time
- Made in Wisconsin using the highest quality materials

DSC# 112806 | ESRP $1,760.89

SPECTRUM INDUSTRIES INC.

Connect36

- Charges up to 36 laptops or Chromebooks up to 15.6"
- Double-bolt latch with padlock hasp for superior security
- Ventilated doors and side panels keep devices and chargers cool
- Three power management options – Power Switch, eLogix smart charger, and PowerProdigy smart charger

Multiple DSC #s | ESRP $2,036.52-$2,419.33

Collectiv8 Charging Pillar

- Charges 8 tablet and Chromebook devices
- Ships fully assembled for quick, simple integration and deployment
- All-metal cord management system keeps charge cords organized next to each storage bay
- ETL Listed to UL 60950-1 standard

DSC# 112713 | ESRP $893.21

The use of AI in education is expected to grow by 47.5% in the next four years.
Source: eSchool News

AVID EDUCATION

AE-36

- Perfect for single jack devices like tablets and Chromebooks
- Single TRRS 3.5mm plug operates speakers and microphone
- Braided nylon cord is resistant to chewing
- Classroom packs are available

Multiple DSC #s | ESRP $16.52

FISHBONE

- Flexible adapter that helps prevent pint breakage when a student yanks the attached audio cord
- ISTE 2017 Best of Show Winner
- Bends in the middle across the ribs while rotating in the device jack
- Flex-and-bend reorients the jack and allows headphones to disengage without damage

DSC# 107535 | ESRP $3.19

Brenthaven

BX2™ Edge Case

- Patent-pending Crumple Zone corners and Xtreme Foam deflect impact
- Can fit and be color-coded with LocknCharge Carts and Baskets
- Available for iPad Air & Air 2, iPad mini 1-4, Microsoft Surface 3 & 4, and Microsoft Surface Book

Multiple DSC #s | ESRP $74.70-$114.78

Aero Sleeve

- HDF™ Protection System wraps devices in a layer of high-density foam to keep devices safe
- Cushioned interior lining holds devices snug
- Flap closure with custom center-push buckle
- Available in 11" & 13"

Multiple DSC #s | ESRP $74.70
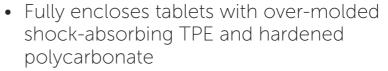
TRIDENT

Academia Series

- Built-in friction hinge kickstand enables comfort viewing at any angle
- Ergonomic design for enhanced grip and comfort
- Built-in screen protector to keep devices scratch-free
- Hardened back plate paired with impact absorbing bumper provides excellent protection

Multiple DSC #s | ESRP $76.55

Kraken A.M.S Series

- Strongest and most durable case Trident makes
- Fully encloses tablets with over-molded shock-absorbing TPE and hardened polycarbonate
- Protects device power-ports, audio-jacks, and speakers with TPE plugs and dust fillers
- Built-in screen protector to keep devices scratch-free

Multiple DSC #s | ESRP $63.79-$89.31

80% of of EdTech leaders said their districts use cloud-based software
Source: Edweek Market Brief

Adobe® Premiere Pro®

- Turn raw footage into flawless productions
- Industry-leading video editing software
- Software used by experts and beginners to edit, adjust color, refine audio, and more

Adobe® Photoshop®

- Create and enhance photographs, illustrations, and 3D artwork
- Students of all levels can create something amazing with the intuitive tools and easy-to-use templates

Netop Vision

- Teachers can view everything students are doing on their screen
- If students are off task, teachers can lock their screen to get them back on track
- Teachers can easily facilitate learning by sharing their screen on every student device

Vision ME

- Present lessons from anywhere in the classroom iPad® to iPad®
- Empower students to lead demonstrations from their iPad®
- Share student work with the entire class
- Engage students and receive instant feedback on student assessments

TechSmith Camtasia™

- Record your screen and PowerPoints as interactive video lessons for online learning
- Enhance with music, intros, animations, transitions, and more
- Add in-video quiz questions, hotspots, and ADA captions

TechSmith Snagit™

- Create engaging screenshots for flipped and blended learning
- Grab the entire vertical scrolling area with just a click
- Add words, arrows, blur, and grab text with OCR

The EdTech market for software and tools is expected to grow to $1.83 billion by 2020.
Source: Futuresource Consulting, Ltd.

ClassLink

- OneClick single sign-on into web and Windows applications
- Instant access to files at school and in the cloud
- Ideal for 1:1 and Bring Your Own Device (BYOD) initiatives

GoGuardian Admin™

- ON- AND OFF-CAMPUS FILTERING Protect students wherever they are with intelligent cloud-based filtering that learns and adapts
- Flagged Activity Reporting - Recognize inappropriate behavior through AI-based monitoring
- Activity Oversight - Discover insights and data that help gauge technology effectiveness

GoGuardian Teacher™

- Screen Viewer - See what's on students' screens during a session and save screenshots
- Activity Timeline - View every student's browsing activity, past or present, on a single, easy-to-navigate page
- Browser Lock - Disable browsing and darken screens for "eyes-up-front" focus during lessons

Retrospect

- Software for Mac, Windows, and Virtual environments that protects and backs up data and files locally or on the cloud
- Deduplication, end-user initiated restores, and industry-leading US based support
- Certified to back up 1 billion files or 100 TB of data per backup set and 50 million files per device
- Precise point-in-time backup that restores exactly the files that belong on a volume; no unwanted files restored

Students are 3.4 times more likely to succeed when using collaborative technology and being involved in group learning.
Source: SMART Technologies

swivl™

C3 and C5 Device Bundles

- Award-winning video automation robot that records audio and video
- Upload and share content with anyone from anywhere via Swivl Cloud
- Perfect for personalized and flipped learning, professional development, and more
- Includes the Swivl C Series Robot, Case, and Primary Markers

Multiple DSC #s | ESRP $1,019.54-$1,274.74

Expand Lens Mini

- Works with any device in the classroom and doubles video capturing view
- 140°, professional-quality wide angle lens
- See desktops, group teamwork, and student-teacher interactions much clearer
- Great for student responses and reflections, classroom observations, and professional development

DSC# 105367 | ESRP $37.00

ScreenBeam™

ScreenBeam 960 w/ Interactive Touch

- Enterprise-grade Miracast wireless display receiver for educators who need wireless display connectivity to collaborate, create, and communicate
- High performance receiver supports interactive touch displays, whiteboards, and projectors
- Enterprise-class security and remote management
- Save network bandwidth, no Wi-Fi network required

DSC# 115056 | ESRP $382.79

ScreenBeam Classroom Commander

- Easy-to-use Orchestration and monitoring system for Windows 10 classrooms
- Annotate directly onto student screens from the classroom display
- Easily display student screens on classroom display
- Allows teachers to monitor student devices
- Works together with ScreenBeam 960

DSC# 116129 | ESRP $382.80

BoardShare
The Instant Smart Wall

BoardShare Interactive Whiteboard

- Turns any surface into an interactive whiteboard
- Innovative, intuitive user interface makes it easy for all users
- Completely portable and requires no installation
- No licensing or maintenance fees

DSC# 99932 | ESRP $445.33

Educational toy market will grow at a compound annual growth rate of around 10% by 2021.

Source: Technavio

iographer

iOgrapher Basic Bundle

- Great for educators who want to bring video to the classroom
- Case options to fit multiple versions of iPad
- Includes iOgrapher Filmmaking Case, MultiUse Tripod, 2x Telephoto Lens, Wide Angle Lens, RODE Video Go Mic, RODE SC7 Cable for mobile devices, RODE SC6, Input/Output Breakout Box, and Apple Lightning Audio Adapter

Multiple DSC #s | ESRP $451.70

iOgrapher CTE/PE Bundle

- Great for filming sporting events and other action shots
- Case options to fit multiple versions of iPad
- Includes the iOgrapher Go Case, Universal Clamp, RODE Video Mic Pro, Action Cam Audio Cable, and iOgrapher Flex Tripod

Multiple DSC #s | ESRP $426.15

littleBits

Code Kit Class Packs

- Engages students in coding principles while buildings games
- 10 lessons and 100+ activities make it easy to fold into any learning space
- Featuring bits, accessories, and 4 games
- Designed to engage up to 30 students in 3rd-8th grade
- Also available in single units

Multiple DSC #s | ESRP $2,271.24-$3,700.38

STEAM Education Class Pack

- Easy way to integrate powerful STEM/STEAM learning into the classroom
- Featuring bits, accessories, and 8 fun challenges
- Designed to engage up to 30 students in 3rd-8th grade
- Includes 16+ hours of lessons aligned with NGSS & Common Core
- Also available in single units

Multiple DSC #s | ESRP $2,271.24-$2,998.57

Modular Robotics

Cubelets TWELVE Kit

- Best way to introduce students of all ages to robotics, coding, and design thinking
- Great starter kit that can be expanded as needed
- Designed to accommodate up to 6 students
- Includes 12 robot blocks and two brick adapters

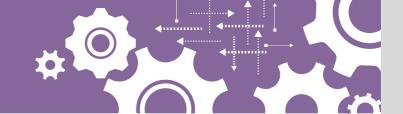**DSC# 107776 | ESRP $382.74**

Cubelets Creative Constructors Pack

- Facilitates easy adoption and high-ceiling academic activities
- Perfect mix of Cubelets for the budget-savy educator
- Designed to accommodate up to 24 students of all ages
- Includes 56 robot blocks, brick adapters, storage, and a 5-port charger

DSC# 107773 | ESRP $1,952.30

POLAR 3D

Polar 3D Printer Starter Pack

- Revolutionary design produces 4 times the build volume at 25% cost of competitors
- Sleek, quiet, Wi-Fi enabled, and features an open-view
- STEAMtrax curriculum is aligned to NGSS standards and works with any 3D printer
- Includes printer, 6 rolls of filament, and extended warranty

DSC# 108584 | ESRP $1,487.83

SPECTRUM INDUSTRIES INC.

3D2GO Printer Cart

- Spacious worksurface fits most 3D printers
- Options to store materials on open shelves or locked cabinets
- Add an overhead filament rack for consistent filament feed
- Stable workstation allowing cart to move while printer is running

Multiple DSC #s | Prices vary - multiple options to create the perfect cart

Optio Collaboration Table

- Tapered work surface allows full screen viewing area
- Technology within reach for every individual on the team
- ADA compliant, wheelchair accessible
- Mobile for highly active environments

Multiple DSC #s | Prices vary - multiple options to create the perfect cart

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