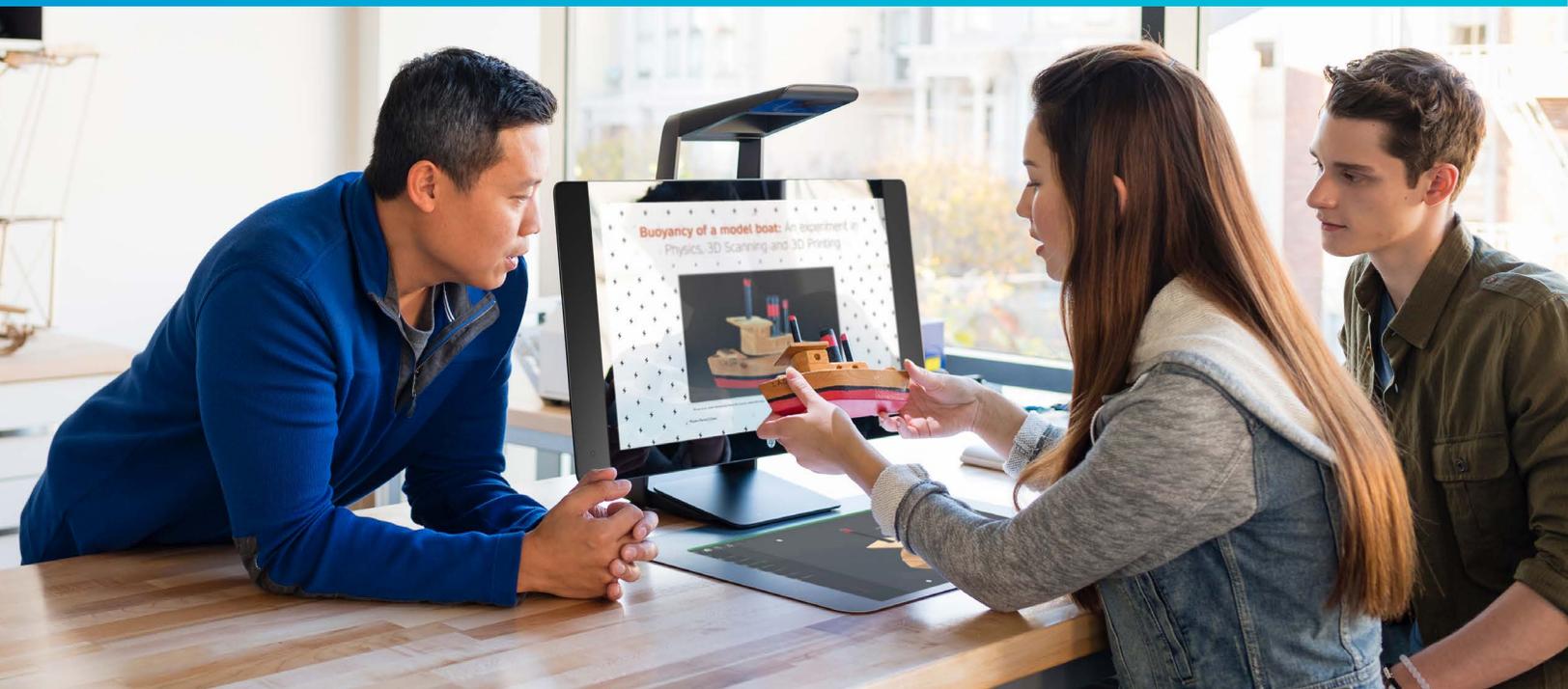# Profound technology for powerful learning

sprout pro by *hp*

How can Sprout Pro improve learning outcomes?

Sprout Pro is a Windows 10[1] all-in-one learning station designed to enhance hands-on learning, promote collaborative engagement and spark creativity.
It prepares students for next-gen careers and elevates instructional techniques by engaging with immersive blended reality and STEAM experiences.

Sprout Pro helps build bridges

The top priority of schools and education environments is engaging students. Without engagement, students won't reach their highest potential for succeeding in college and future careers.

There's no magic method or right answer, but there are multiple approaches and tools required to enable a successful learning environment. Additionally, students may have varying needs, in both learning and communicating. This complex and dynamic environment requires a versatile and flexible tool to serve it.

Sprout Pro is an inclusive product that can serve diverse student and teacher needs. It's designed:

...for engagement.
Sprout's unique form factor and hands-on learning space attracts students to a place where they can explore and reimagine what they can do.

...for diverse learning styles and ability gaps.
Sprout enables students to make, create, and work visually – catering to how they might learn best.

Accessing programs and apps on the touch mat makes them more intuitive and friendly, removing barriers to learning or using them.

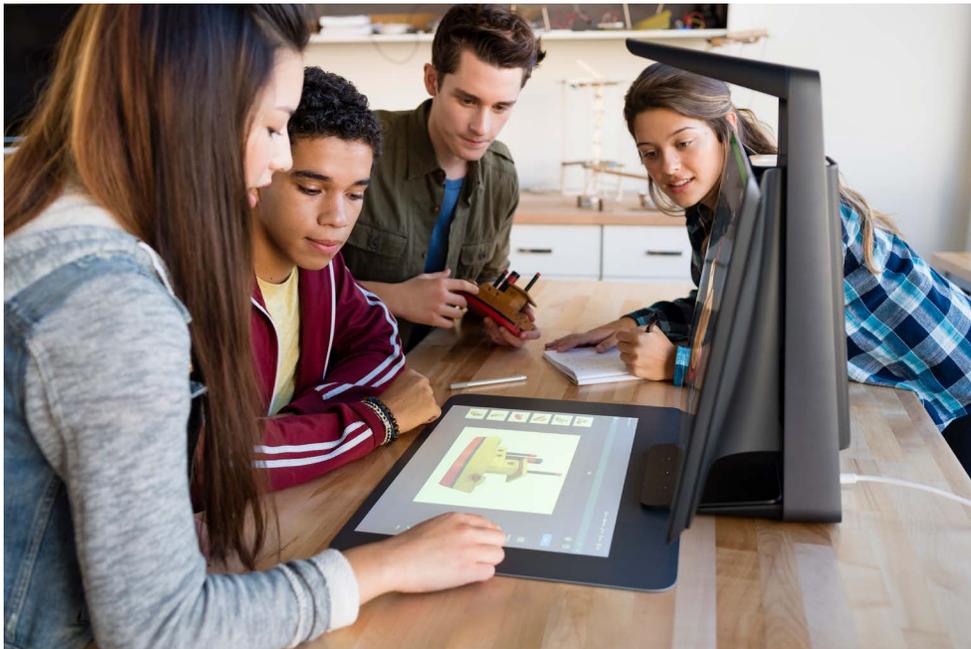### ...between teaching styles and across disciplines.
Sprout robustly supports many teaching styles including project-based learning, blended learning, and flipped classroom – and gives teachers opportunities to link disciplines and curriculum.

...toward future career readiness.
Working on a Sprout Pro G2, students are learning and developing their skills on a professional, cutting-edge technology – preparing them to succeed in similar work environments in the future.

"We have to prepare our students, not only with the technology that they have now, but with the creativity and the confidence to use new technologies as it comes along." —Andrew Fell, Head Teacher

Prepare future thinkers, leaders and innovators

Engage students in new STEAM experiences and 3D asset creation on advanced technology that builds 21st century skills, including:

Coding & Robotics

Extend coding environments with dual multi-touch work areas to show the code on one screen and reference materials or emulations on the other.

3D Exploration

Collect student work in an ePortfolio and create digital models for virtual reality visualizations and 3D printing using the 2D and 3D scanning capabilities[9].

Blended and interactive content presentations

Showcase physical objects and digital content simultaneously to the entire class. Remotely collaborate with other schools or industry experts with the ability to share up to four feeds.
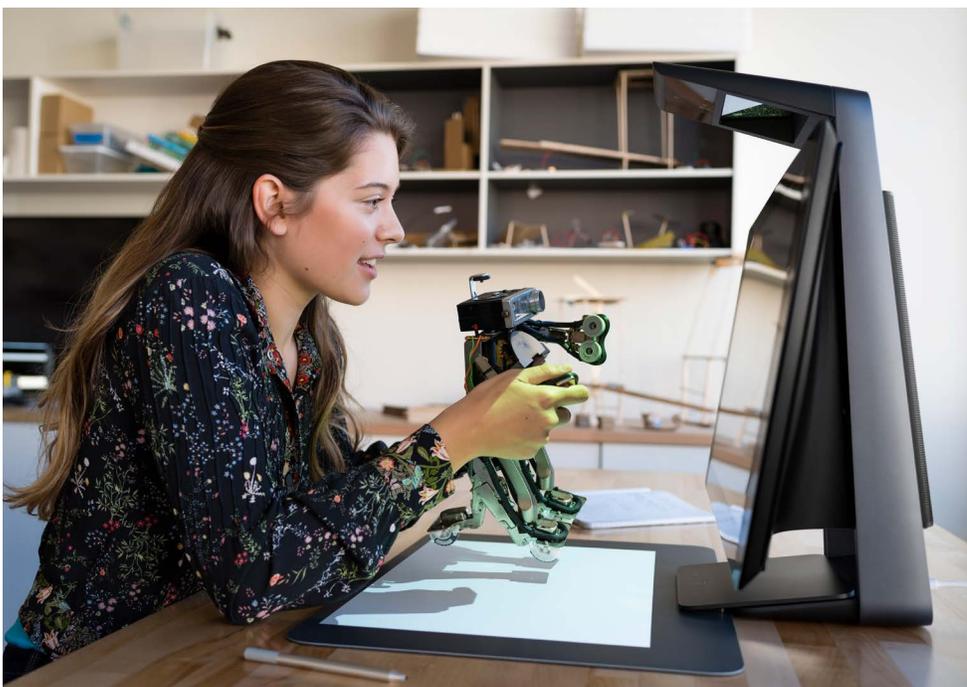
Video documentation

Create unique flipped classroom videos or empower student-led video documentation with a web-cam, downward-facing camera and dual-screens.

Design & Annotation

Enhance students' natural ways of drawing, writing and researching with precision digital inking using the HP Active Pen[2] on the paper-like HP Touch Mat.

Storytelling

Encourage creative expression through storytelling with stop motion using the downward-facing camera or existing digital content.

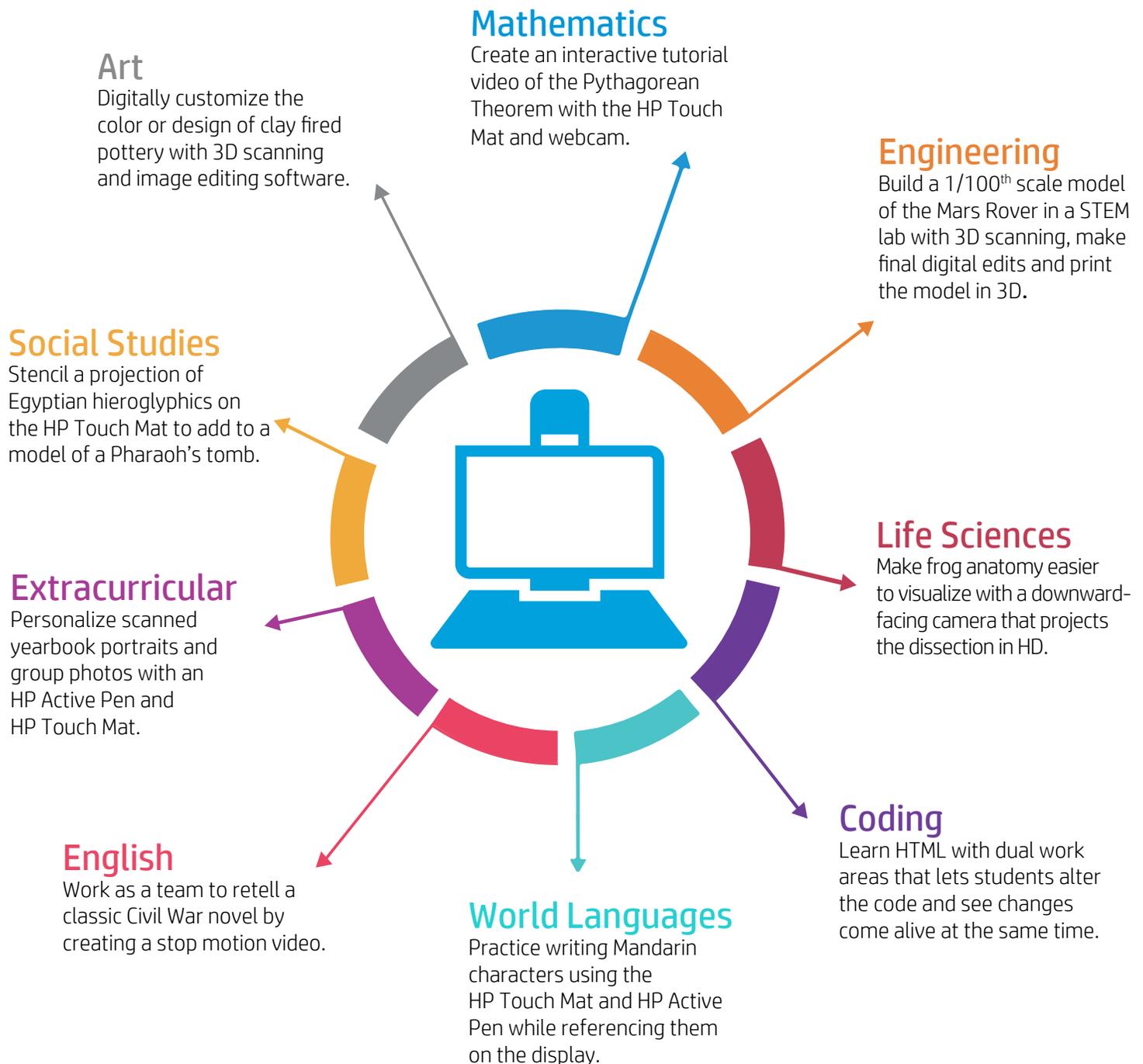"Sprout Pro has allowed more individualized learning. It improves students' courage to try new things, as they follow their curiosity and imagination."

Darrel Kid Engineering, Innovation and Entrepreneurship Instructor

Encourage active learning and exploration

Transform students from passive observers to engaged learners with immersive technology that augments hands-on experiences across disciplines.

Mathematics
Create an interactive tutorial video of the Pythagorean Theorem with the HP Touch Mat and webcam.

Art
Digitally customize the color or design of clay fired pottery with 3D scanning and image editing software.

Engineering
Build a 1/100th scale model of the Mars Rover in a STEM lab with 3D scanning, make final digital edits and print the model in 3D.

Social Studies
Stencil a projection of Egyptian hieroglyphics on the HP Touch Mat to add to a model of a Pharaoh's tomb.

Life Sciences
Make frog anatomy easier to visualize with a downward-facing camera that projects the dissection in HD.

Extracurricular
Personalize scanned yearbook portraits and group photos with an HP Active Pen and HP Touch Mat.

Coding
Learn HTML with dual work areas that lets students alter the code and see changes come alive at the same time.

English
Work as a team to retell a classic Civil War novel by creating a stop motion video.

World Languages
Practice writing Mandarin characters using the HP Touch Mat and HP Active Pen while referencing them on the display.

Designed to fit any learning environment

Sprout Pro integrates multiple advanced technologies into an all-in-one solution making it a ready-to-go tool for group research, creating media-rich projects and presenting work.

1. Multiple Cameras

2. Touch Display

3. HP Touch Mat and Projected Touch Display

4. 3D Scanner

5. HP Active Pen

Dual 3D Scanning Capabilities

- For 3D digital manipulation, Camera 3D[4] enables fast 3D scanning by holding and rotating the object in your hand
- For 3D printing and high-resolution scanning, the HP 3D Scan Pro v5[5] software creates 3D models using enhanced structured light scanning technology

Multiple HD Cameras

- Includes an HD webcam and HD downward-facing camera[8]
- Down-cam acts as a document camera to quickly capture 2D objects
- Enables project-based learning, portfolio design and demonstrations

HP Active Pen, Keyboard and Mouse

- HP Active Pen[2] enables precision, pressure-sensitive digital inking and doubles as a wireless mouse
- Gives the natural feeling of writing with a pen on paper when using it on the horizontal HP Touch Mat
- Allows for professional-level drawing and intuitive 3D modelling

  Also included with Sprout Pro G2: HP Wireless Keyboard and HPComfort Grip Wireless Mouse

Full HD Projected Touch Display

- Projects a second display on the paper-like HP Touch Mat for dual-screen use
- Allows multiple students to work at once for improved collaboration, team research and documentation
- Enables ergonomic annotation and scanning documents up to A3 or tabloid[6] size
- Durable material for easy cleaning

WorkTools[3]

- A suite of apps and tools that provide easy access to Sprout Pro's unique features
- Works seamlessly alongside Windows 10[1] applications

Resources to learn, engage and collaborate

Educator community forum

HP is working with Digital Promise Global to create an online community committed to student-centered, experiential learning enhanced by powerful technology. In the forum, educators will be able to:

- Connect with other educators to share and collaborate on ideas
- Discover and develop resources and project ideas
- Share stories from your classroom/lab and learn from others
- Get support and tips on using tech tools in your school

Join now at www.digitalpromise.org/sprouteducators

Professional development with Educational Collaborators

Learn how to develop instructional strategies, curricular connections, and techniques with Educational Collaborators' certified trainers through on-site or online guidance and training on Sprout Pro[10].

Learn more at www.educollaborators.com/sprout

White glove support

A 3-year peace-of-mind limited warranty keeps your focus where it should be.
Contact
1-888-654-9298 (USA)

To learn more, visit
hp.com/go/sproutforlearning

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com

[2] The HP Active Pen will only be included with Sprout Pro G2.

[3] WorkTools is currently only available on Sprout Pro G2 and higher. Internet access required. Some apps referenced through WorkTools may require purchase.

[4] Camera 3D will only be available on Sprout Pro by HP G2.

[5] HP 3D Scan Software Pro v5 will be available to download soon through Discover in the WorkTools software that is included standard with Sprout Pro G2. It is available for purchase separately with other PCs. Internet access required. Minimum system requirements for other PCs include Windows 7 or higher and a USB port to upload HP 3D Scan software Pro v5.

[6] 21.3 inch Diagonal Projected Touch Display is only available on Sprout Pro by HP G2.

[7] A3 document size refers to 29.7 x 42.0 cm or 11.69 x 16.53 inches. Tabloid document size refers to 43.2 cm x 27.9 cm or 17 x 11 inches.

[8] HD webcam and HD downward-facing camera will only be available on Sprout Pro by HP G2.

[9] 3D printer sold separately.

[10] Education Collaborators training and online guidance for Sprout Pro is sold separately. Learn more at www.educollaborators.com/sprout