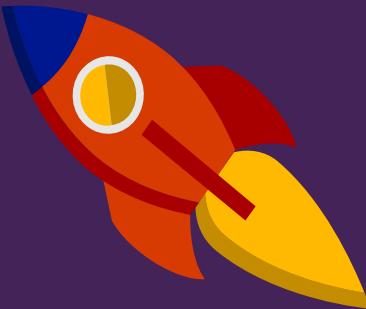


Rise of 3D: From consumption to creation

Dan Bowen & Daniel Collins

Microsoft & WSU





Global Leaders in education are adopting HoloLens in their work streams for:



**Heads-up,
hands-free**



**Data
visualization**



**Spatial mapping
and planning**



**Remote
collaboration
and assistance**



**3D modeling and
product design**

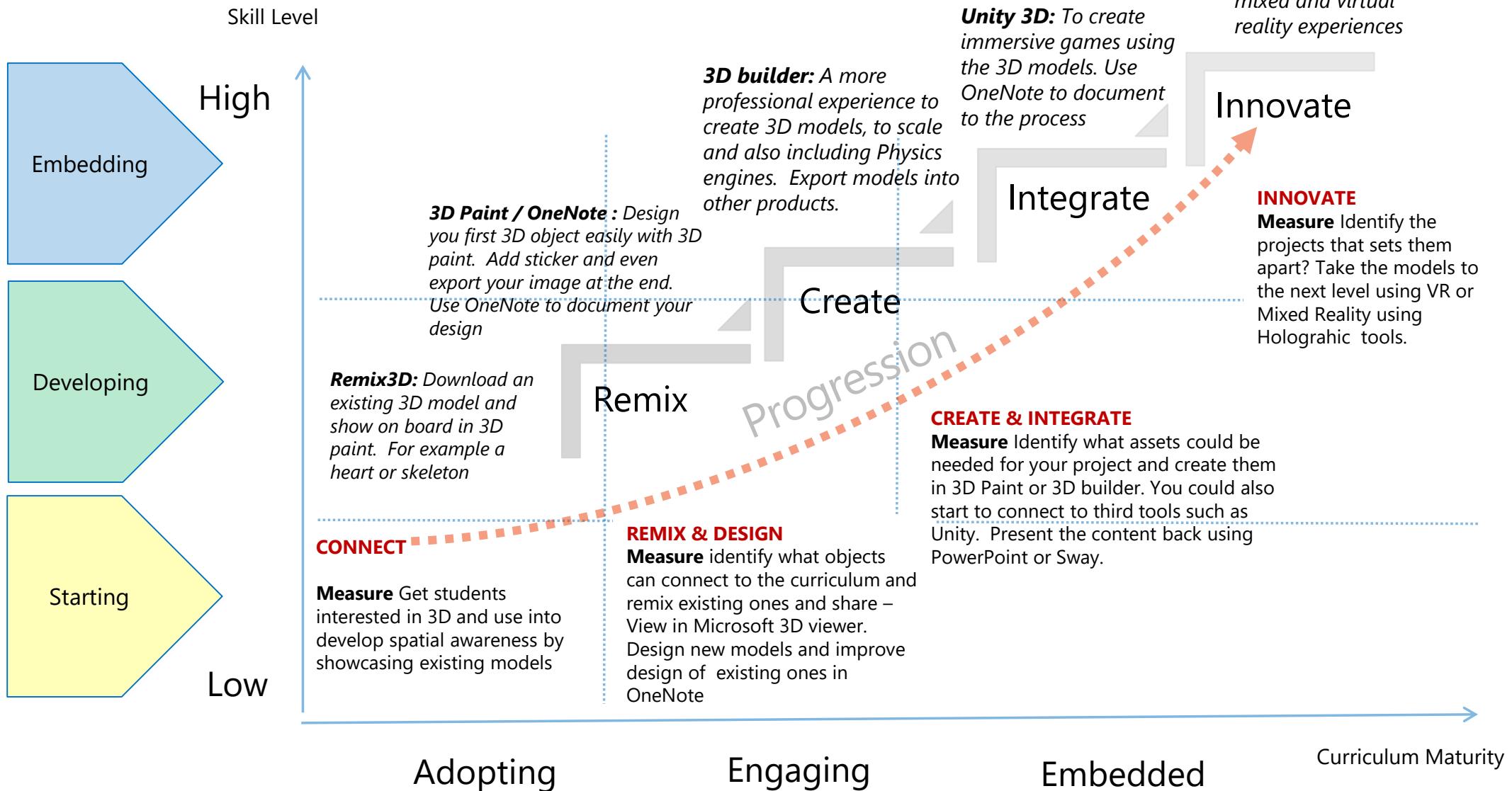


**Simulation
training**



3D to holographic

Progression is important



Workload (App) Mix

Holographic and MR experience

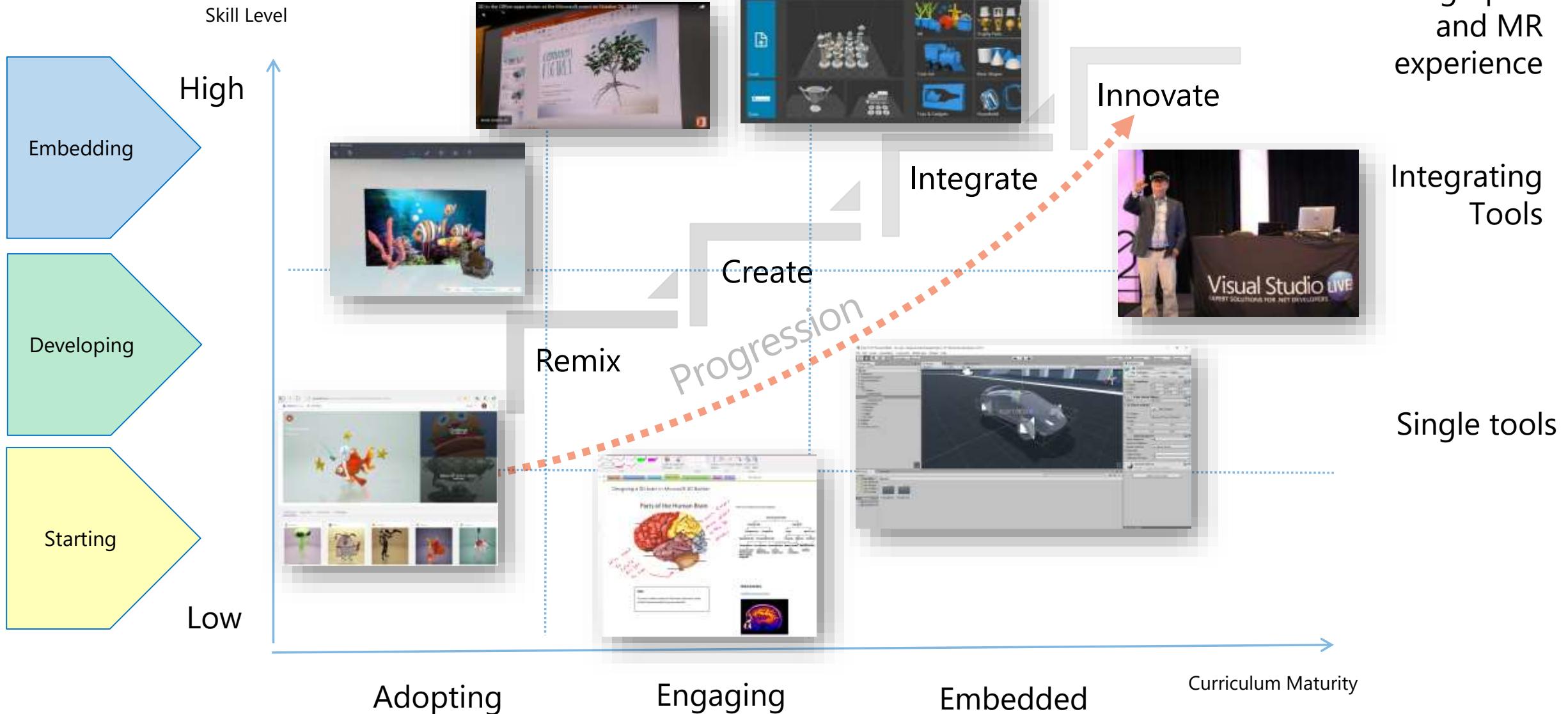
Integrating Tools

Single tools

Curriculum Maturity

3D to holographic experiences

Progression is important



Find inspiration on the Remix 3D community

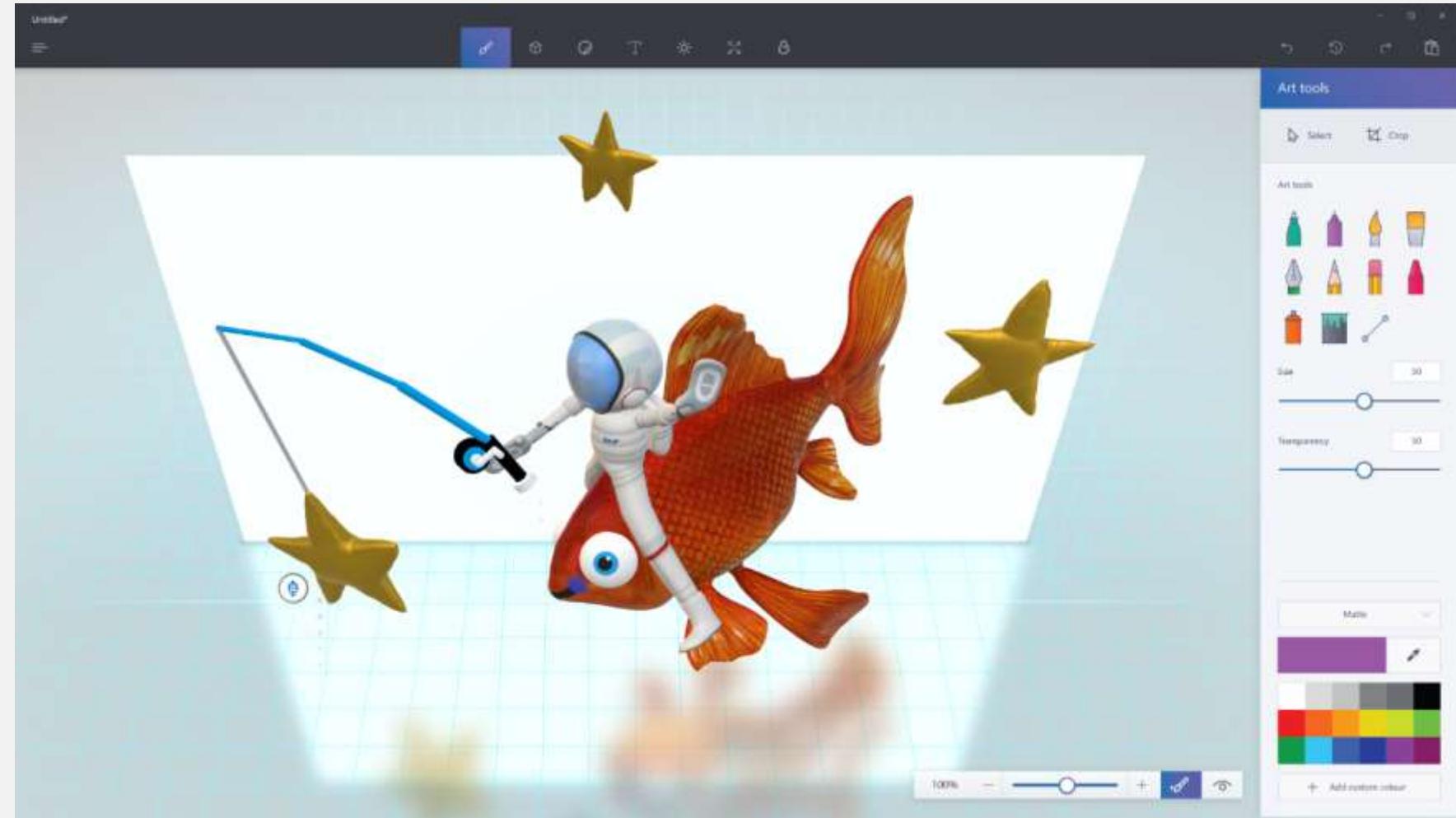
Available with Creators Update

The Remix 3D Community (Remix3D.com) is a free **3D sharing website** that makes it easy to explore and consume 3D content online. You can even create, remix and **upload your own 3D content** to share with others.

Create 3D Objects with Paint 3D

Available with Creators Update

The reimagined **Paint 3D** enables simple 3D creation and editing in a modern interface. You can draw, color, and stamp stickers in 3D. You can texturize your 3D object and turn it from wood to marble. You can even change a 2D doodle into a 3D object easily and simply.



View 3D objects in mixed reality

Feature coming soon...

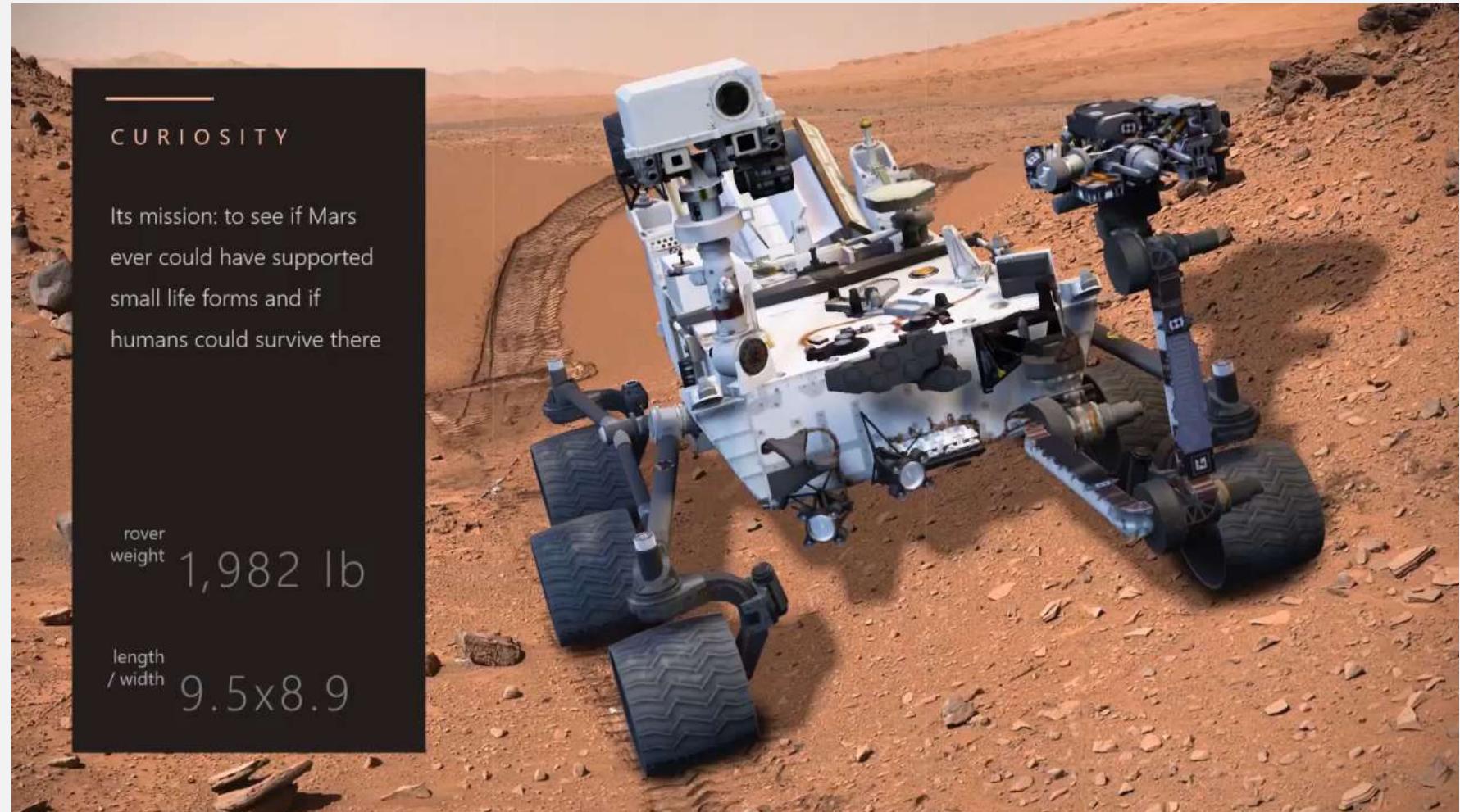
Transform your world by bringing digital **3D art into your real world** via View 3D. This feature utilizes your world facing camera to create magical moments. Rotate, resize, and move the object to create fun playful moments



Integrate 3D objects into presentations and documents

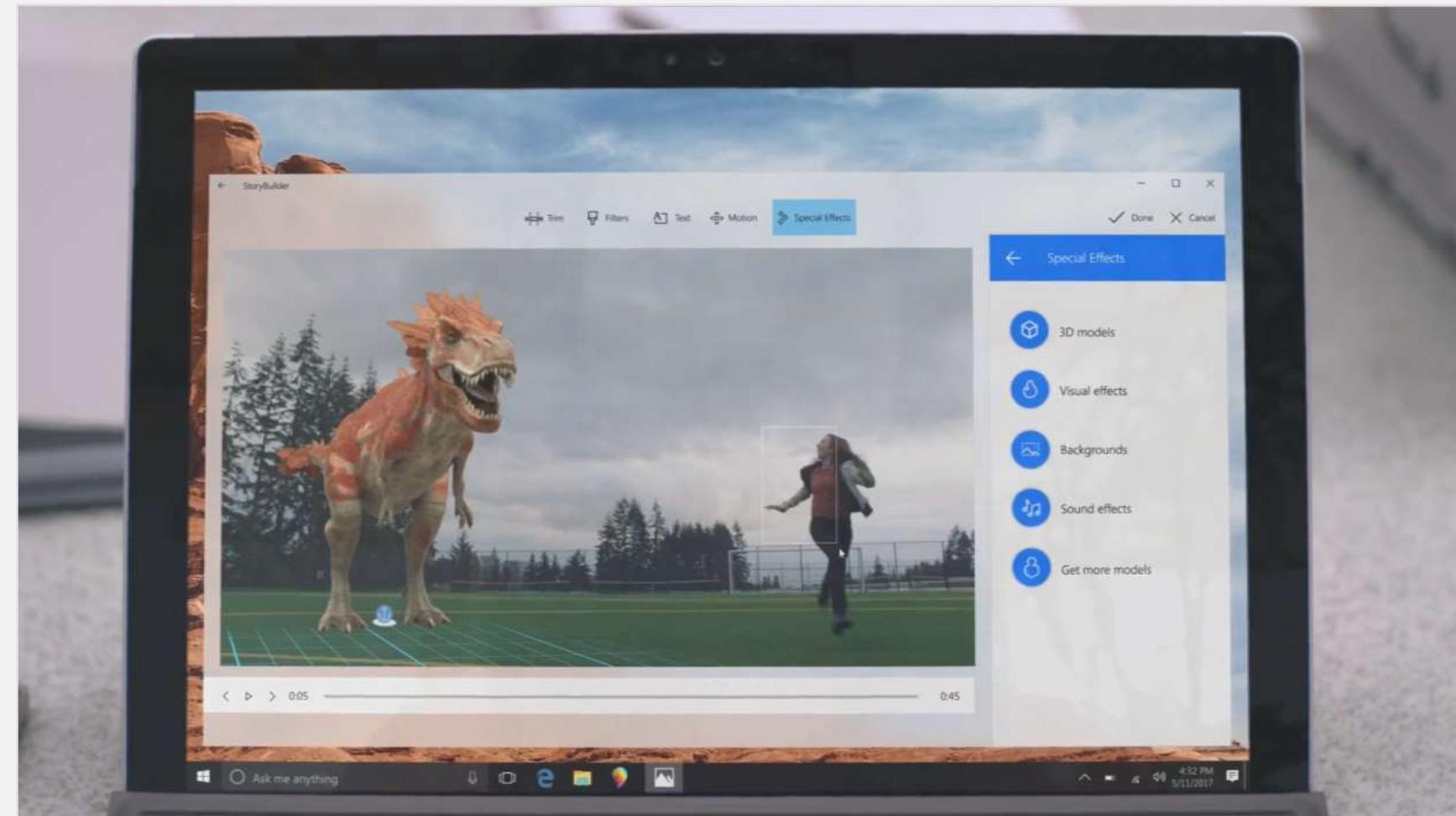
Out now

You can enhance comprehension, productivity and expression of ideas by placing 3D objects into Office apps like **Word** and **PowerPoint**. Use the morph animation to rotate the object in different directions. View, resize, & rotate a 3D object with the 360 rotation handles.



Use 3D Objects in photos & videos with Story Remix

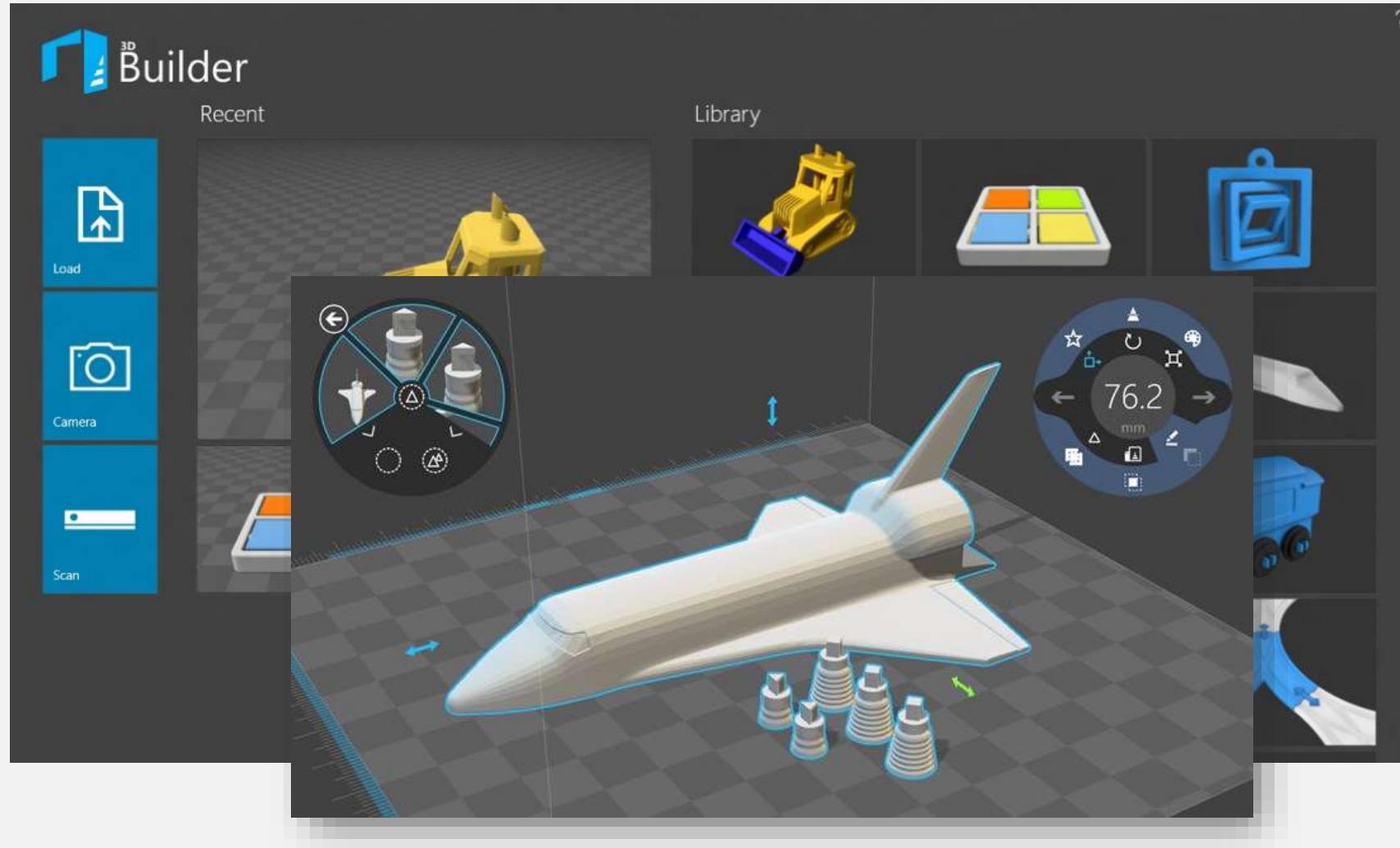
The reimagined **Story Remix** makes it so anyone can create a story with their photos and videos. You can ink directly into your videos and have it follow objects. You can add 3D objects and make your video come to life.



Visualize, edit and 3D-print models with 3D Builder

Available with Creators Update

The **3D Builder** app has model visualization options and editing capabilities, and can **print to a 3D printer** that has a Windows-compatible printer driver. The app can be used as a reference and a test tool for 3D-editing, and for validating 3MF files that you create.

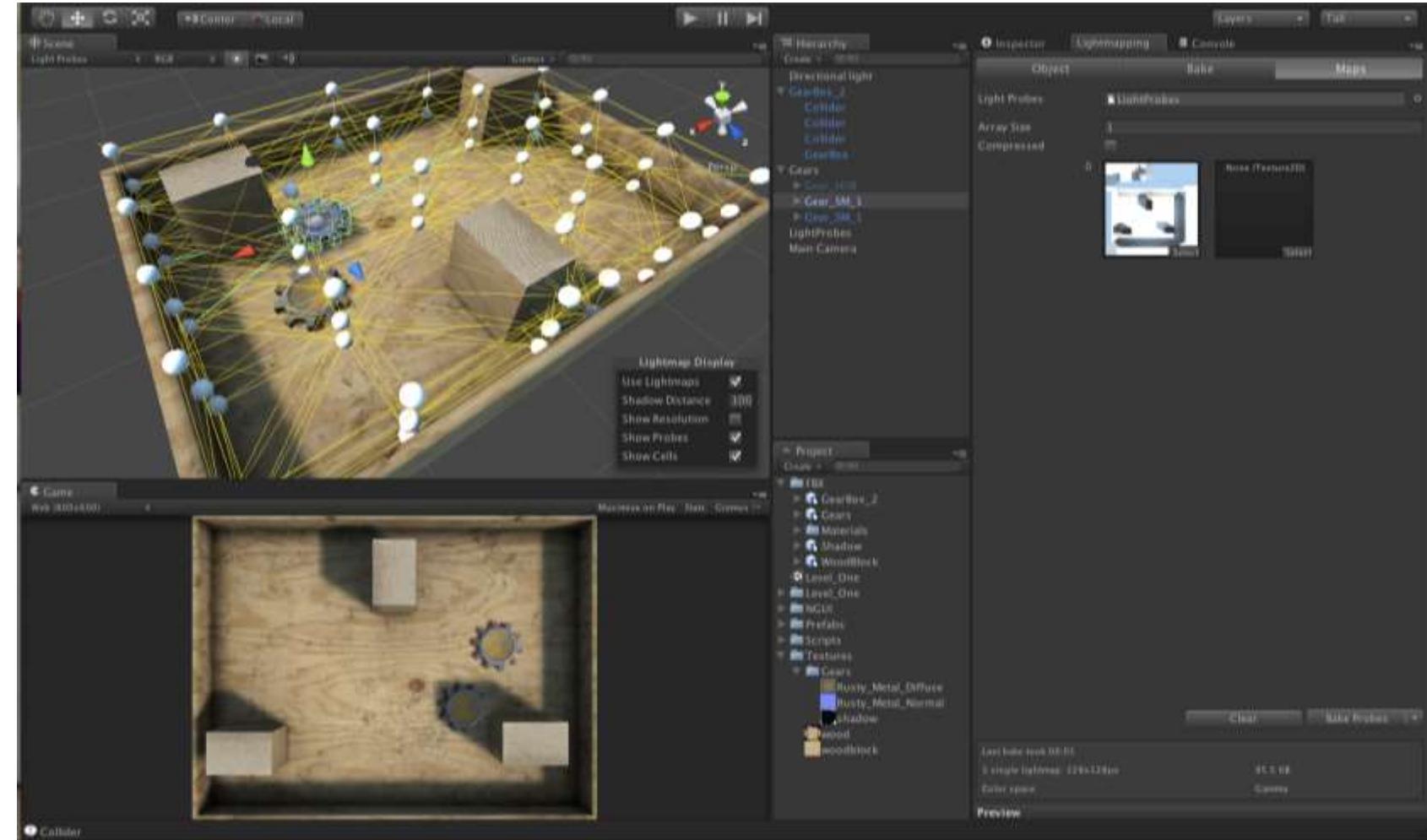


Create professional 3D content with

3rd Party Software – visit unity3d.com



Create any 2D or 3D games with **Unity**. Make it with ease, highly-optimized, beautiful, and deploy it with a click to more than 20 platforms. Unity's integrated services can help you speed up your development process, optimize your game, connect with an audience, and achieve success.



Sharing Good Practice

Daniel Collins



Bringing in data into 3D world





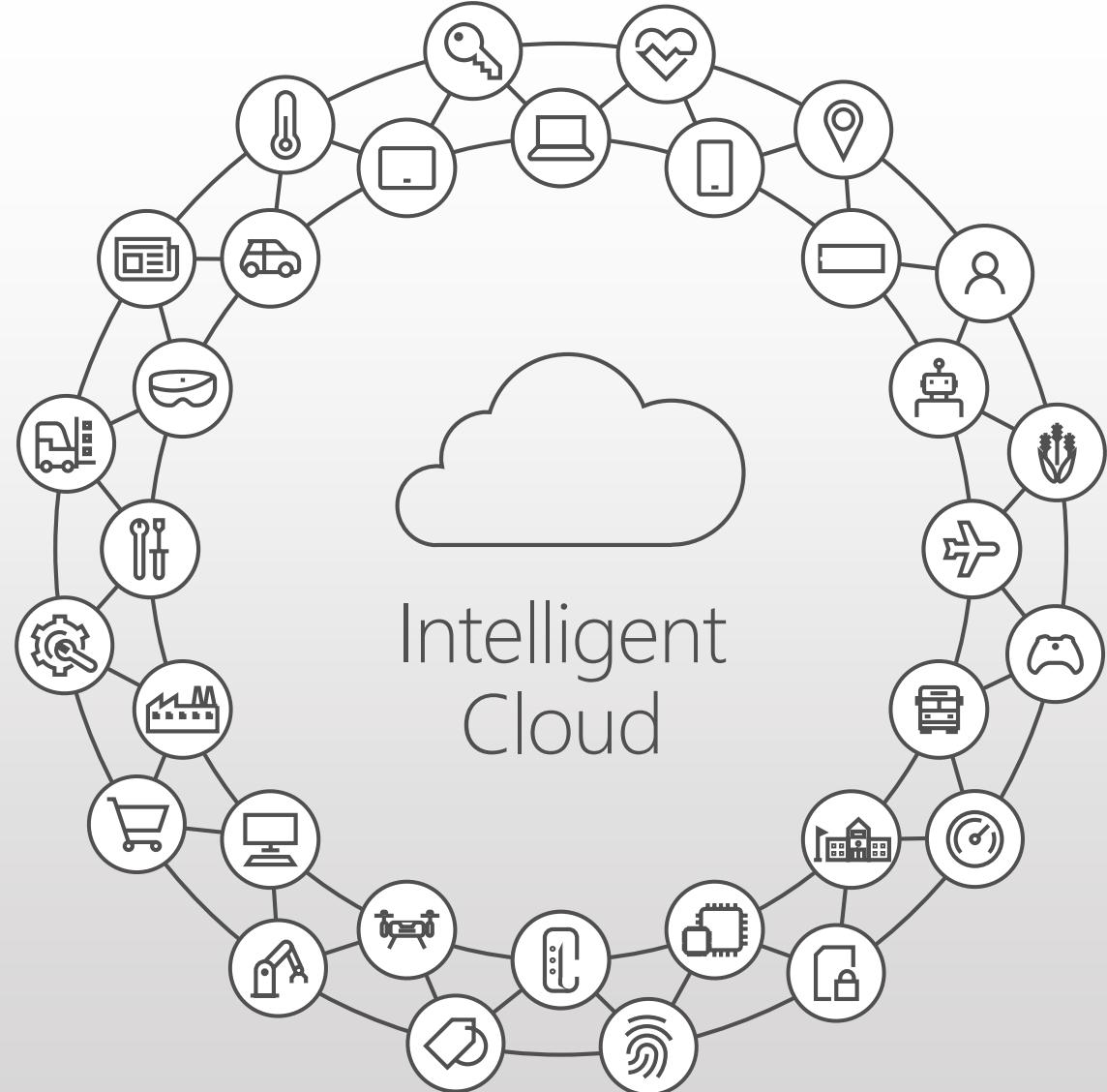
Multi-device



Artificial Intelligence

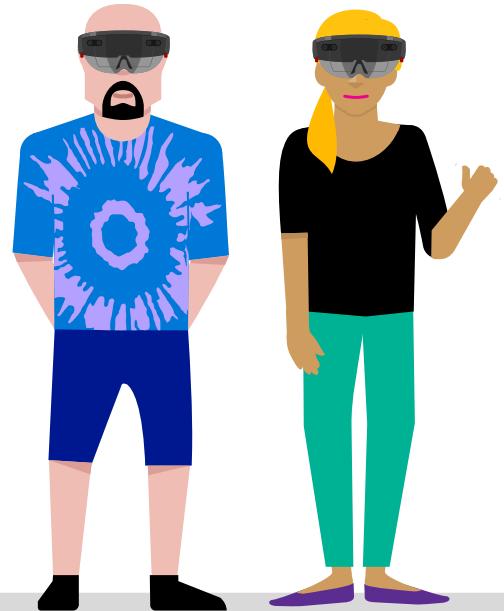


Serverless



Intelligent Edge

Tools to help:



- ✓ 3D Paint (Free with Windows 10)
- ✓ [Remix 3D](#) (Free website)
- ✓ 3D Builder (Free in Windows 10)
- ✓ View 3D (Free in Windows 10)
- ✓ Mixed reality viewer for Windows (Free in Windows 10)
- ✓ Unity 3D (Free for Education)
- ✓ [Holographic Academy](#)

■ Thank you

dabowe@microsoft.com
d.collins@westernsydney.edu.au

