



3D SCANNING IN EDUCATION



SOL[®] 3D scanner

Learn about 3D

Allow your pupils and students to get experience with 3D scanning in school. Teach them how to convert their creative physical ideas into digital 3D models and show them what they can do with their scans afterwards.

Primary schools, high schools and art schools can benefit from a 3D scanner. Let the 3D scanner be your starting point for learning and experimenting with 3D modeling and 3D printing.



LEARN ABOUT APPLICATIONS

Ideas are abundant, yet turning those ideas into real world objects and applications is challenging.

SOL 3D scanner makes it simple for students to generate high-resolution scans for artistic creation, invention, prototyping and more.

CLASSROOM AND EDUCATION WORKFLOW

Get familiar with the different 3D workflows such as scanning, printing, modeling, etc. Typically, usage within a classroom follows this workflow:

1. **Scan** your object or creation using the SOL 3D scanner
2. **Export** in one of the supported formats: OBJ, STL, XYZ, DAE, PLY
3. **Import** your file into your preferred 3D modeling software
4. **Improve or modify** your work
5. **3D print** and/or
6. **Share** online

3D modeling

This part of the workflow is about using a scan as a starting point or reference object for more complex 3D modeling. Users will create a 3D model using the SOL 3D scanner and then import the OBJ or STL file into their modeling software of choice. Once imported, they can use the scan as an 'outline' of the model they wish to create or incorporate the scan into other work projects.

3D printing

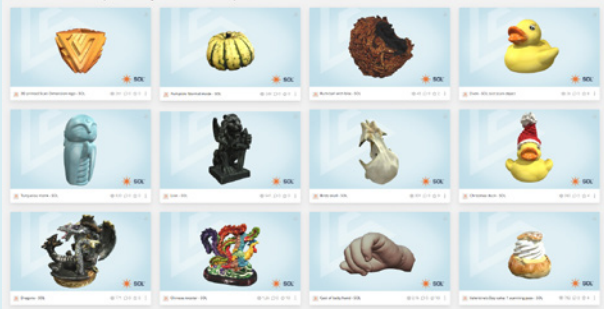
Create a duplicate or replica of an object easily. The SOL 3D scan will primarily be used for importing into a 3D printing program (slicer) and then output to a 3D printer. The object may be scaled up or down prior to printing, depending on the user's needs and wishes.

Sharing

It's all about sharing scans with others. Once a scan is completed, SOL Viewer 3D software can save the model in various file types (OBJ, STL, PLY, DAE and XYZ) for further publication or distribution. Scans can also be uploaded to Sketchfab directly from the SOL software for easy online sharing. Finally, once a scan is produced, industry-standard tools can be used to import the SOL 3D scanner files into Augmented Reality (AR) and Virtual Reality (VR) applications and workflows.

LESSON PLAN

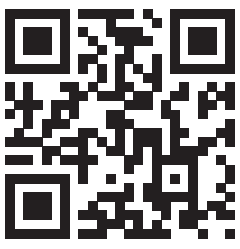
Scan the QR code and find more information and links on our website, including a 'Lesson plan' outline of how to scan and explore using SOL 3D scanner.



3D SCANNED EXAMPLES

Visit our collection on Sketchfab and inspect these 3D models scanned with SOL 3D scanner. Log in and download for your own use.

<https://skfb.ly/oPrPS>





<https://scandimension.com/pages/3d-scanner-for-education-school>



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