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| 1. Ice Breaker: Share your name and favorite ornament in preparation for using the scanner!
2. Watch an overview of the process.
	* Use a 3D scanner: (start at 2:00) <https://www.youtube.com/watch?v=AYq5n7jwe40>
	* Use Meshmixer: <https://www.youtube.com/watch?v=I2lWlhqIYAQ>
3. Brainstorm classroom ideas!
* What is something you have or want to make, which you can have the kids make multiples of or to edit/change? (ex: Cookie cutter, etc.)
* What’s are things in your classroom that could be 3D scanned?
* What are the advantages of 3D scanning? What are the advantages of Meshmixer?
* What physical products do you currently have the kids make?
* Discover more brainstorming instructional strategies: <https://www.cultofpedagogy.com/speaking-listening-techniques/>
1. Participate in the demonstrations!
2. Discover more ideas!
3. Add to brainstorm ideas.
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| Process Notes: How to scan on the 1. Put object onto
2. Log onto computer. Open (Hint: Windows, down arrow, Makerware for Digitizer.)
3. Pick lighting. Click done.
4. Click scan.
5. Watch while scans (approximately 9 minutes). (Hint: What can you work on while you wait?)
6. Save as . Save to desktop and then transfer onto your flash drive.
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| Process Notes: How to use 1. Open editing software (Meshmixer).
2. Import STL file. (Hint: Can use files from Thingiverse.)
3. Edit STL file. (Hint: Watch <https://www.youtube.com/watch?v=vcuql01165o>)

Resources: <https://www.youtube.com/watch?v=W1b7rcU17EY> Intro to MeshMixer<https://www.youtube.com/watch?v=3zXsrXTSspc> Basic Steps in MeshMixer<https://www.youtube.com/watch?v=55E76K2jN5M> Adding Hole in MeshMixer |

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