

Making 3D printing a reality in the classroom

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What excites the students passion?

Disposable camera - use the lenses to make a printed microscope.
Ownership creates value

PLA - non oil based, bio degradable
Made from corn starch - can have powders added to it to create effects

PLA bound with rubber - shoe design that can be worn.

educators needs - print well, fast, reliably - need all ends of quality spectrum.
Ultimakers are the fastest.

Scanning Moa bones to be printed - they want to make them available so they can be put together at school.

Living wall project - hollow boxes that can be designed, plants grown in them and the boxes weather over the year.

Project e-Nable - lots of birth defect kids in Vietnam due to Agent Orange - project makes 3D printed limbs.
Functional 3D printed hands that work with cables.

modio - ios device

3D designed cookie cutters?

Ultimaker 2