3D Printing Equipment.

This display was developed collaboratively by PrintLab Pioneer teachers and shows the range of 3D printing hardware, software, materials and learning/curriculum tools used at each pioneer's school/organisation.

hardware

Carrie Beach 2x NWA3D A31, 1x NWA3D A5, 1x MakerMade, 2x Ender 3

Tyler Clark - Ultimaker 3. Prusa i3. Anycubic. Photocentric LCD 1.5. Project built dual extrusion similair to ender 3. 1 of each

Amanda O'Mara, 6x ultimaker 2's/ 2+'s 1x each: makergear m3-ID, Lulzbot Mini; 3x Prusa i3, 2x GMax2's, 1 CraftBot, 1 Monoprice Voxel

Steven Jones - Makerbot

Kevin Bartok Creality CR-2020

Ceima Kemaldean: FlashForge Creator Pro

Ed Charlwood: 4 x Prusa Mini, 2 x Ultimaker 2+, 1 x Ender 3, 2 x laser cutters

Patrick Benfield 1x Ultimaker 3, 1x Mayku Formbox (vacuum former)

Jason Yeung - 1 x CraftBot Plus, 1 x Ultimaker 2, 1 x EinScan-SE 3D Scanner

Michele Brezovec - 3 flash forge and one ultimaker and one polysher

Jesus Huerta: Currently are distance learning, I have five printers at home. Students have 3d printers at home, (1) ender-3 along with two rolls of filament to start.

Jonathan Walker Ultimaker

Nathan Swaim 1X Makerbot Replicator + 2x Makerbot Replicator 5

Russell Ayres Flashforge Inventor 2 (3 printers)

Michael Mun - Flashforge guider x1

Nick Sharman 9x Flasforge inventore 2 - 1 x Ender 3

Thom Conaty: Ultimaker 2

Todd Cleeland - 2 x Flashforge creator pro

software

Steven Jones - Tinkercad, Fusion 360

Tyler Clark - Cura. Fusion 360. PrusaSlicer

Michael Mun - TinkerCAD

Jonathan Walker PrintLab, TinkerCad, Fusion 360, Cura.

Russell Ayres TinkerCAD Flashforge stock slicing software

Amanda O'Mara, TinkerCAD, OnShape, SketchUp, Cura

Jason Yeung - Tinkercad, Fusion 360 + CURA slicing software

Kevin Bartok TinkerCAD Fusion360 Cura

Carrie Beach Tinkercad Cura Fusion 360 Sketchup

Patric Benfield Tinkercad, Cura, CorelDraw

Nathan Swaim TinkerCAD Fusion 360 Makerbot Slicing Software

Thom Conaty: TinkerCAD & Cura

Jesus Huerta- Tinkercad, Astroprint, SculptGL, Matttercontrol

Michele Brezovec - TinkerCad and started to use Fusion 360

Todd cleeland - Tinkercad , buildbee, flashprint

Nick Sharman Fusion 360, TinkerCAD, Flash print, Cura (teacher only)

OnShape, TinkerCAD, Fusion

Ceima Kemaldean Tinkercad FlashPrint

materials

Nathan Swaim PLA filament

Thom Conaty: PLA

Todd Cleeland - PLA

Patrick Benfield PLA

Ed Charlwood PLA, ABS

Jesus Huerta-PLA

Steven Jones - PLA

Jason Yeung - Filamentive PLA filament

Nick Sharman PLA

Michael Mun - PLA filament

Amanda O'Mara, pla filament

Jonathan Walker PLA

Ceima Kemaldean PLA

Russell Ayres PLA

Michele Brezovec - PLA filament, PolySmooth by PolyMaker. The machine is made by the same people and called a Polycher. This makes the end product look like ceramic.

Kevin Bartok PLA

Carrie Beach PLA, ABS, flexible filament

Tyler Clark PLA. ABS. Carbon and conductive filament. Whatever the project requires really. Trying wood filament next!

curriculum/learning

Nathan Swaim PrintLabs TinkerCAD

Thom Conaty: Curriculum Integration across all subjets and year groups (maker-centered learning) using printlabs. Student projects in makerclub. Some other special projects.

Jesus Huerta- Printlab and self created challenges

Carrie Beach Printlab Tinkercad Student Created

Russell Ayres PrintLab

Patrick Benfield self-created, PrintLab, Instructables, FabLearn

Nick Sharman PrintLab + Projects we develop

Ed Charlwood: own schemes of work and projects. Some collaborative with other schools.

Jason Yeung - PrintLab + Coursera

Amanda O'Mara, PrintLab & content area integrations (I collaborate with others), design briefs & challenges (I create), OnShape tutorials, SketchUp tutorials

Michael Mun - PrintLab, TinkerCAD, self created projects

Kevin Bartok PrintLab, Youtube Tutorials, Projects I've developed

Michele Brezovec Printlab and projects we develop.

Jonathan Walker PrintLab & PG Online

Printlab and in-house projects

Ceima Kemaldean PrintLab Makers Making Change Self Created Projects

Todd Cleeland - Printlab, Tinkercad and self created

PrintLab.