

By Erin Denniston, Innovate Chatham, April 2024

Below are a few resources and articles about 3D printing and modeling. There are also links to show how 3D printing can be used in various content areas in a school setting.:

[Tinkercad](#)

[Tinkercad Tutorials](#)

[All3DP](#)

[Free STL Files & 3D Printer Files: The Best Sites in 2024](#)

[10 Best 3D Modeling Software](#)

- Autocad
- SketchUp
- Marvelous Designer
- DAZ Studio
- Maya
- Rhinoceros 3D
- Blender
- Solidworks
- 3ds Max
- ZBrush

[How AR and VR are Transforming the Future of Businesses](#)

[10 Ways 3D Printing Can Be Used In Education](#)

- An infographic introduction

[3D Printing Enhances Student-Centered Learning](#)

- Read about 3D printing in the classroom
- See links at the bottom for details about use in:
 - science
 - geography
 - art
 - history
 - music

[Applying 3D Printing Across the Curriculum](#)

- Read about how 3D works
- Ideas for 3D printing in the following content areas:
 - geometry
 - algebra/pre-calculus/calculus
 - history/social studies
 - English/language arts
 - science

- Art

[3D Printing Education: Learn to Incorporate 3D Printing in the Class](#)

- Read about keeping the focus on the content, not the tool
- Curriculum connections in the following areas:
 - humanities
 - engineering and CTE
 - math and science

[Lessons and tutorials by subject \(ultimaker\)](#)

- Lesson plans for the following subject areas (some content have more lesson)
 - art and design
 - design and tech
 - interdisciplinary
 - language arts
 - math
 - science and tech
 - social sciences

Additional resources to explore

- <https://www.weareteachers.com/3d-printing-math-science>
- <http://www.schrockguide.net/3d-printing.html>
- <https://classtechtips.com/2016/12/26/3d-printing-lessons/>
- <https://3duniverse.org/2013/12/18/opportunities-for-3d-printing-in-k-12-education/>