Teacher Resources

Technological Systems (8486, 8477, 8463, 8462, 8457)

- **Admiral Richard E. Byrd Middle School Technology Education Website** This website provides a wide array of resources for middle school Technology and Engineering Education students and teachers. https://goo.gl/H7T1Ak
- **Alice** This website provides free resources for learning programming in a 3D environment. http://www.alice.org/index.php
- **Autodesk** This is free software for use in education (e.g., Fusion, Inventor, Autocad). http://www.autodesk.com/education/free-software/featured
- **Autodesk Homestyler** This is a free online architecture/home design program. http://www.homestyler.com/
- **Code.org** This website provides free resources and programs for coding. https://code.org/
- **Condé Systems** This is a good resource for dye sublimation needs. http://www.conde.com/
- **Edheads** This website provides engaging learning activities, including manufacturing, engineering design, simple machines, crime scene investigation, and surgery. http://www.edheads.org
- **Gimp** This resource provides free downloadable image manipulation software. In addition, there are many Gimp tutorials available on YouTube. https://www.gimp.org/
- **Google Sketchup** This is simple, yet powerful, 3D modeling software. There are both free and paid versions available; there is free Pro software for educators. http://www.sketchup.com/
- **Khan Academy** This is a free resource for learning just about anything, from calculus to JavaScript. https://www.khanacademy.org/
- **Nimbus Screenshot and Screencast** This is a free screen capture tool that allows you to capture a full web page or any part. In addition, you can edit screenshots, record screencasts, and record video from your screen. It is available for Chrome, Firefox, Android, and PC. http://nimbus.everhelper.me/screenshot.php
- **Planner 5D** This is an online architecture/home design program. Both free and paid options are available. https://planner5d.com/
- **Remind** This free resource can be used to send quick, simple messages to any device. https://www.remind.com/
- **Scratch** This resources is offers free block-based programming language that can create games, animations, etc. https://scratch.mit.edu/
- **Thingiverse** This MakerBot resource offers downloadable 3D designs, design challenges, resources, and lessons for educators. http://www.thingiverse.com/
- **Whitebox Learning** This resource offers a standards-based STEM learning system for grades 6-12. Completely web-based, students can use the website to design, analyze, and simulate their designs from a web browser. They ca also compete with other students

throughout their district. This resource requires a subscription.
https://www.whiteboxlearning.com