K-12 – Online Resources

Mimio Studio Lessons- https://search.mimioconnect.com/ - Each teacher has a mimio studio license for 5 years on their laptops. You can create your own interactive software or you can find different lessons on the website above.

Youtube - https://www.youtube.com/ - Can annotate over live video using the built-in Android annotation tool. I like using Cat Shark Roomba 😊

Google Maps - https://maps.google.com/ - Zoom all the way out until you get the earth with its shadow. It can then "fly" around the solar system to other planets, moons, etc.

Google Earth - https://earth.google.com/web/ - Ability to fly around the world. Good for showing object manipulation in 3D and the Windows Ink Workspace since Chrome has no native annotation.

Google Sky - https://www.google.com/sky/ - Explore the nights sky

Starfall - https://starfall.com – Research-based and aligned with Individual and Common Core State Standards in English language arts and Mathematics. Primarily for Pre-k – 3rd grade.

Oktopus by Qwizdom: Software/Game Zones - https://qwizdomoktopus.com/ - Presentation solution that offers subject specific tools for teaching, polling, and collaboration.

PhET Simulator - https://phet.colorado.edu/en/simulations/category/new - Math, Science and Engineering interactive simulations for K-12.

BioDigital Human - https://human.biodigital.com/ - A virtual 3D body that visualizes human anatomy, disease and treatments in an interactive 3D web platform for high school students. You can create a free account for this one.

Code.org - https://code.org – Provides the leading curriculum for K-12 computer science. Teaches the fundamentals of computer science with drag and drop blocks.

Epic! - https://www.getepic.com/ - Leading digital library for kids 12 & under.

Embarc - https://embarc.online/ - Supports Eureka Math, (Engage NY), grades K-8.

Teach-nology - http://www.teach-nology.com/ - Provides free and easy to use online teacher resources including lesson plans, printable worksheets, rubrics, teaching tips, and more.

Kahoot – https://kahoot.com/ - A game-based learning platform that makes it easy to create, share, and play learning games or trivia quizzes.

LifeLiqe – https://www.lifeliqe.com/ - Digital science curriculum that engages students grades K-12, with interactive 3D models, and that is aligned to Next Generation Science Standards and Common Core. (Not free)

Microsoft 3D Builder – Built into Windows 10, free app that lets you view, capture, personalize, repair, and print 3D models.

JLAB https://education.jlab.org/indexpages/elementgames.html - Educational games and puzzles. Mostly for middle school and high school.

Solar System Scope - https://www.solarsystemscope.com/ - 3D simulation of the Solar System and night sky in real-time – the Sun, planets, dwarf planets, comets, stars, and constellations.

Desmos - https://www.desmos.com/ - Digital activities covering grades 6-12 using Desmo's graphing calculator.

Scratch - https://scratch.mit.edu/ - Programming tool for kids to learn how to code.

Snap - https://snap.berkeley.edu/ - Programming language for students that's also a platform for a serious study of computer science.

Swift Playgrounds - https://www.apple.com/swift/playgrounds/ - iPad app that teaches coding for students grades K-8.

Sesame Street - https://www.sesamestreet.org/games – Preschool learning games about letters, numbers, and STEM.

Funbrain – www.funbrain.com – Educational games for students in grades K-8 that includes math, grammar, science, spelling, and history.

Funbrain Jr. - http://www.funbrainjr.com/games/ - Educational games for preschoolers and kindergarteners that help children build early learning skills in math and reading.

Screencastify – https://www.screencastify.com/ Google extension that allows screen, webcam, microphone recording. Great for those school districts in the Google environment. Easy download and setup.

ClassroomScreen - https://www.classroomscreen.com/ - A web tool for teachers that has over 10 useful widgets that you can project on a screen, and a one-stop shop for essential tools. Includes useful tools such as time, name picker, and notepad at the same time.

Engage NY - https://www.engageny.org/ - Common Core curriculum for ELA and Math – all grade levels – completely open source!

Xodo – www.xodo.com or download from Microsoft store. All-in-one PDF reader and PDF editor that allows you to read, merge, annotate, sign, and share PDFs and fill in PDF forms. Can be used on any device.

3D Viewer – Cool 3D animations and models built directly into Windows 10.

Khan Academy – www.khanacademy.org – Variety of subjects K-12, including college level/prep courses.

ABCya – www.abcya.com – PreK-6 Common Core Standards, educational games categorized by grade and subject.

Mr. Nussbaum – www.mrnussbaum.com – Engaging, educational games, resources, articles, and online printable activities in all subjects for grades K-8.

Ben's Guide to the U.S. Government – www.bensguide.gpo.gov – Provides opportunities to learn about themes related to our Government. These themes, called Learning Adventures, are divided into three school-age categories. Includes educational games such as, Place the States, Quizzes, Crosswords, & Word Searches, and testing knowledge of the three branches of the U.S. Government. Designed for students ages 4-14+.

ReadWriteThink – www.readwritethink.org – Resource that contains lessons, interactive activities, printables, and an app to help kids improve their reading and writing skills. While this online resource is focused primarily on language arts, materials for science, math, history, and life skills can be found here as well.

National Geographic Kids – www.kids.nationalgeographic.com – Find amazing facts about animals, science, history, and geography, along with fun competitions, games, and more. Created especially for ages 6+.

Kids Health – www.kidshealth.org. – Watch movies, take quizzes, and read all about how your body works and how to be healthy. Includes health-related lesson plans for PreK – 12th grade. Also, includes discussion questions, classroom activities and extensions, printable handouts, and answer keys.

Microsoft Edge - https://www.microsoft.com/en-us/windows/microsoft-edge - Learning tools built right into the browser.

Microsoft Whiteboard: https://www.microsoft.com/en-us/p/microsoft-whiteboard/9mspc6mp8fm4?activetab=pivot:overviewtab (does require a MS account, also free)

CK-12: https://www.ck12.org/student/ - Super STEM resource with highly accessible content. Making STEM content accessible to kids with different learning styles, CK-12 could be the key to mastery for some students. Grades K-12.

NOVA: https://www.pbs.org/wgbh/nova/ - Compelling science videos that have high-quality classroom applications. Stellar simulations, teacher guides, and other activities can stand on their own, and they're enhanced with high-quality video content. Grades Pre-K-12.

Big History Project: https://school.bighistoryproject.com/bhplive - Fascinating look at life's bigger questions with a fresh perspective. A wonderfully innovative and divergent way to teach foundational concepts in history, humanities, critical thinking, and science. Grades 9-12.

Instructional Technology Hotspot: https://www.pisd.edu/Page/15677 - Frequently used resources to enhance instruction and learning with the use of technology. All grade levels. See examples below.

- Augmented Reality
- Brainstorming/Collaboration
- Coding/CS/Makerspace
- Creating Tutorials
- Digital Portfolio
- Mind Maps & Online Whiteboards
- Photography/Video/Greenscreen
- Polling/Student Response/Formative Assessment
- Presentations that Pop

Flippity.net https://www.flippity.net/ - Easily turn spreadsheets into interactive widgets and other cool stuff.

https://www.mathlearningcenter.org/resources/apps