

# Knowledge Tools

## Online Courses/Lessons

- [Code.org](#) - Computer coding tool
- [Coursera](#) – Massive open online courses
- [Duolingo](#) - language learning tool
- [ELLLO English Listening Lesson Library Online](#) – Lessons for learning English
- [Khan Academy](#) – Educational modules
- [Learn a Language](#) – Lessons to learn various languages
- [What's Up With Culture](#) – Modules to teach about new cultures
- [Tinkercad Learning Center](#) – 3D modeling

## Data Exploration

- [Data Basic.io](#) – Data analysis
- [Google Trends](#) – Data exploration tool using Google search data
- [Google Arts & Culture](#) – Apply big data to art exploration
- [Knight Labs Online Storytelling Tools](#) – Data storytelling with timelines, visuals, and stories
- [Wolfram Alpha](#) – Data-based search engine

## Games & Simulations

- [ABC Ya!](#) – Educational games for preK-5th grade students
- [Mangahigh](#) – Educational math games
- [Minecraft Education Edition](#) – Content-based exploration of Minecraft virtual worlds
- [Prodigy](#) - Math learning tool

## Mind Mapping Tools

- [Coggle](#) - mindmapping tool
- [Mindmeister](#) – Mind maps and graphic organizers
- [Mindmup](#) – Mind maps and graphic organizers

## Science Tools

- [LabXchange](#) - Online science classroom
- [PhET Simulations](#) – Science simulations

## Social Studies/Media Literacy Tools

- [AllSides](#) - Media literacy tool.
- [DocsTeach](#) - educational tool by the National Archives.
- [iCivics](#) – Interactive games centered around U.S. government and the rights and responsibilities of U.S. citizens
- [Newsela](#) – News articles for students
- [The Library of Congress Labs](#) - Interactive platform for exploring the Library of Congress resources
- [The Smithsonian Learning Lab](#) – Interactive tool for exploring artifacts from the Smithsonian's 19 museums, 9 research centers, and zoo

## Study Tools

- [MES English](#) – Online language resources
- [Quizlet](#) – Flashcard study materials
- [StudyStack](#) – Flashcard study materials
- [YouTube Playlist](#) – Multimedia curation

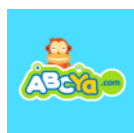
## Timeline Creators

- [Tiki-Toki](#) – Interactive timelines
- [Timeline](#) – Timeline design via readwritethink

## Other

- [Microsoft Immersive Reader](#) – Interactive reading comprehension and learning tool
- [GoNoodle](#) - Video-based brain breaks
- [VidReader](#) – Creates transcripts for YouTube videos

## Knowledge Tools A-Z



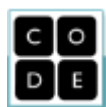
### ABCYa!

ABCYa! is a website that has an array of educational games and activities for pre-k to 5th grade students. It was created for teachers by Alan Tortolani, a teacher who was trying to find quality educa...



### AllSides

AllSides is a knowledge-centered tool that aims to expose media bias in news articles on trending topics (e.g., in 2022, trending topics included COVID-19, 2022 Elections,&nbs...



### Code.org

Code.org is a computer science-driven educational tool, centered around teaching students of all ages how to code. Through a multitude of online lesson videos with people like Bill Gates and Steph Cur...



### Coggle

Coggle is an online mind mapping tool that can be utilized in any grade level or subject. Users have the creative freedom to work individually, or with others, to make visually appealing and well-orga...



## Coursera

Coursera is recognized as one of the largest providers of MOOCs (Massive Open Online Courses). It has established partnerships with 140 universities in offering more than 1,500 courses across a

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## Data Basic.io

DataBasic.io is a suite of easy-to-use web tools for beginners to explore different sets of data. It is a project from the Engagement Lab at Emerson College and the MIT Center for Civic Media. ...



## DocsTeach

DocsTeach is an educational website created by the National Archives education division to promote learning with and about the Archive's collection of documents (including text, videos, and photo...



## Duolingo

Duolingo is a knowledge-centered tool that will help teachers, their students, or just about anybody, learn another language. This tool offers an effective, easy, and free way to practice another lang...



## ELLLO English Listening Lesson Library Online

ELLLO is an online collection of free listening, reading, and vocabulary practices for English language learning. You do not need an account to access the resources....



## GoNoodle

GoNoodle is a website where educators can use videos and other activities to get kids moving. It is a knowledge-centered tool that allows kids to set routines, explore holiday events, and engage ...



## Google Arts and Culture

Google Arts and Culture is a curated vault of great artworks from more than 2,000 museums and archives. It has 360-degree panoramas of historic landmarks, 3D models, augmented reality tools that let y...



## Google Trends

Google Trends is an online data exploration tool that features real time search data from Google. Users can explore people's search interests and find additional data like the most relevant arti...



## iCivics

iCivics is a free educational website that provides educators with lesson plans, resources, and interactive games centered around the topics of the structure and functions of the U.S. government and t...



## Khan Academy

Khan Academy is an educational organization that creates short educational videos for a variety of topics. Khan Academy also has educational materials, including practice problems and exercises, ...



## Knight Lab Online Storytelling Tools

The Northwestern University Knight Lab features a collection of projects that "help make information meaningful and



## LabXchange

LabXchange is an online science classroom where students and educators can communicate about a variety of topics through discussion forums as well as the

promote quality journalism, storytelling and content on the internet" (K...

direct messaging feature. Primarily designed f...



### The Library of Congress Labs

The Library of Congress Labs is a website by the United States Library of Congress, which has the purpose of taking the contents of the Library of Congress and making them available and easy to naviga...



### Mangahigh

MANGAHIGH.com is a game-based learning site in which students play math games as a fun way to learn new concepts and apply knowledge. Games cover certain learning topics and are sorted by ability and ...



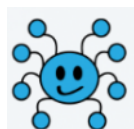
### Microsoft Immersive Reader

Microsoft Immersive Reader is an interactive reading comprehension and learning tool. This tool makes text more accessible to learners of all ages and abilities. Using Microsoft Immersive Reader, you ...



### Mindmeister

MindMeister is an online collaborative, knowledge-based mind mapping tool that students can use to understand and make connections between concepts, ideas, and information. Mind maps help users collec...



### MindMup

MindMup is an online mind mapping service that integrates with Google Drive. It redefines mind mapping by allowing users to create mind maps online, "store them in the cloud and access from...



### Minecraft Education Edition

Minecraft Education Edition is a version of the popular world-building block-placing video game: Minecraft. The Education Edition offers a variety of academically-focused learning plans, ranging from ...



### Newsela

Newsela is an instructional content tool that allows teachers to find articles with appropriate reading levels for their students. Newsela articles also feature questions and writing prompts that alig...



### PhET Simulations

PhET simulations are interactive simulations of science and math concepts created by the University of Colorado Boulder. Students are able to run these simulations, manipulating different aspect...



### Prodigy

Prodigy is an assessment- and knowledge-centered tool that provides an enjoyable way for students to learn and practice math. Prodigy is beneficial for teachers because it allows them to see their stu...



### StudyStack

StudyStack is an online tool to help you and your students memorize information through playful activities such as flashcards and games. You can use pre-existing games or create your own "stack&...



### The Smithsonian Learning Lab

The Smithsonian Learning Lab is a collaborative web-based learning platform



### Tiki-Toki

Tiki-Toki is web-based software for creating interactive timelines that can be

that features videos, audio files, texts, and historical artifacts from the Smithsonian's 19 museums, 9 research centers...



## Timeline

Timeline is a digital tool from ReadWriteThink that allows users to create their own timeline with relative ease. It allows students to demonstrate what they have learned by designing a multimodal timeline...



## TinkerCAD Learning Center

TinkerCAD is a web-based 3D modeling program that is intuitive enough for elementary school students and advanced enough for college students. TinkerCAD can be used to create 3D models to send to 3D printers...



## Wakelet

Wakelet is a digital curation tool that allows users to collect and organize multimodal content, including websites, articles, videos, Twitter threads, text, and images. Wakelet is a great tool for students...



## What's Up With Culture

What's Up With Culture is a free online tutorial primarily for study abroad students. It is meant to orient learners to key concepts of intercultural communication and adjustment...



## Wolfram Alpha

Wolfram|Alpha is an online tool that strives to make all knowledge computable and accessible (About Wolfram, 2020). This tool can provide the answer to numerous questions, such as "how many calories..."



## YouTube Playlist

YouTube Playlist is a free tool that allows you to collect and organize videos around specific topics or interests. You can create playlists with any videos on YouTube, including your own. This includes...



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