Glossary of Tools and Terms

This author team has carefully curated this appendix of all the digital tools and resources mentioned in this book along with other favorites that we could not fit in the text. We provide URLs for these websites and a short description about each tool's purpose or use. Visit **go.SolutionTree.com/technology** to access live links to these sites. As you are reading the book, you can use the active hyperlinks to explore the digital resources we provided for you. Feel free to share this reproducible with colleagues who are interested in teaching and learning with technology.

Academic Kids (http://academickids.com): A free online encyclopedia for students

Adobe Spark (https://spark.adobe.com): A free website for designing graphics, images, videos, and webpages, with templates that make it easy for teachers and students to create projects

Animoto (https://animoto.com): A video-creation website and app with limited free features and options for educator accounts (see https://animoto.com/education/classroom)

Audacity (www.audacityteam.org): Free software for a Mac or Windows computer that makes editing complex audio clips possible

AutoRap (www.smule.com/apps): A free iPad- and iPhone-only app, available to download from the App Store that allows users to generate rap songs

Bitly (https://bitly.com): A tool for shortening URLs to make it easier for people to reach specific webpages

Blackboard (www.blackboard.com): A learning management system that is fee based and often used at the higher education level

Blogger (www.blogger.com): Google's free, easy-to-use online blogging platform, packed with features, including the ability to leave comments for a blog's author

Book Creator (https://bookcreator.com): A tool available on the web or as an app for creating ebooks on iPads, Android tablets, and Windows tablets

BrainPOP (www.brainpop.com): An animated educational site for students filled with short educational videos, including free content and paid subscription access for schools and districts

Canva (www.canva.com): A website with free and premium features to create stunning graphics and visual content

Canvas K–12 (www.canvaslms.com/k-12): An LMS software tool for organizing students' digital work and managing, tracking, and reporting educational data and courses

ChatterPix Kids (www.duckduckmoose.com/educational-iphone-itouch-apps-for-kids /chatterpixkids): An iPad- and iPhone-only app that students can use to record their voice, select a picture to attach the recording to, and play the recording back as if the object says what the students recorded

Chrome (www.google.com/chrome): A web browser developed by Google that you can use on any device and that has additional features such as extensions and the ability to sync bookmarks across all devices

Classkick (www.classkick.com): An app that allows teachers to see what students are working on in real time on individual, internet-connected devices

CodeCombat (https://codecombat.com): A web-gaming tool for learning programming

Code.org (https://code.org): A website for learning coding and programming on iPads, Chromebooks, and Android devices

Common Sense (www.commonsense.org): A collection of articles, videos, and resources to use for teaching digital citizenship; connects with offshoots Common Sense Media (www .commonsensemedia.org) and Common Sense Education (www.commonsense.org/education)

Crunchzilla (www.crunchzilla.com): A website that offers interactive tutorials to teach coding

D2L (www.d2l.com): A learning management system from Brightspace, short for Desire2Learn

Digital Compass (www.digitalcompass.org): An app created through Common Sense Media for grades 6–8 to help students navigate the Internet safely

Digital Passport (www.digitalpassport.org): An app created through Common Sense Media for grades 3–5 to help students navigate through different resources about digital citizenship and Internet safety

DinoSearch (www.dinosearch.com): A safe search engine for students

Do Ink (www.doink.com): An iPad- and iPhone-only app for creating green-screen videos that has free features as well as premium features

Dotstorming (https://dotstorming.com): A free app groups can use to vote online through their own Dotstorming board

Dropbox (www.dropbox.com): A free service for storing and sharing files

Easel.ly (www.easel.ly): A template-based website with free and premium features for easily creating stunning infographics

EasyBib (www.easybib.com): A website and app for easily creating citations, with free options as well as premium features

Edge (www.microsoft.com/en-us/windows/microsoft-edge): A web browser developed by Microsoft that has replaced Internet Explorer

Edmodo (www.edmodo.com): One of the many learning management systems available

Educreations (www.educreations.com): An interactive screencast whiteboard with free and premium options that students can use to record their learning

Encyclopaedia Britannica (www.britannica.com): A free online encyclopedia

Encyclopedia.com (www.encyclopedia.com): A tool for gathering research and information

Excel (https://products.office.com/en-us/excel): A spreadsheet program that you can use on both Apple and Windows devices and that makes up part of the Microsoft Office suite as well as the online Microsoft Office 365 subscription service

Explain Everything (https://explaineverything.com): A paid collaborative and interactive whiteboard website and app for Android and Apple devices as well as a Google Chrome extension

Exploratorium (www.exploratorium.edu): A website with educational tools that the Exploratorium science museum in San Francisco, California, maintains

Facebook (www.facebook.com): A social media network to connect with others using text and pictures, either for professional or personal use, for those age 13 or older

Flickr (www.flickr.com): A free website for searching for images that includes Explore functions and a Creative Commons category with images in the public domain

Fluency Tutor (https://fluency.texthelp.com/Chrome/Get): An extension in Google Chrome that you need to add to student devices to record students as they read on a computer or tablet

Fodey (www.fodey.com): A website with various templates that generate products for download, such as newspaper stories, movie clapper boards, cartoons, and more

Formative (https://goformative.com): A free website for collecting information in the form of a drawing, text, or multiple-choice response for a quick formative assessment that gives immediate individual feedback to students

GarageBand (www.apple.com/mac/garageband): Apple-only software and an iPad and iPhone app for making music, recording narrations, and creating new audio projects

Genius Hour: Time set aside for students to research and learn about whatever interests them

Genius Hour Blog Posts (www.geniushour.com/genius-hour-blog-posts): A blog with ideas about getting started with and holding Genius Hour in a classroom

Genius Hour Ideas (www.geniushour.com/2013/03/31/genius-hour-ideas): A webpage listing topics to use for research during Genius Hour

Glogster (http://edu.glogster.com): A subscription website where students can make *Glogs*, or multimedia mashups, to create a final product

Google (www.google.com): A search engine developed by Google

Google Classroom (https://classroom.google.com): A file management system with some features of an LMS that allows classrooms to share announcements and documents and conduct discussions

Google CS First (www.cs-first.com/en/home): A free coding site where teachers sign up for a course and receive all the necessary materials to run a club or class that guides students through tutorials to learn Scratch coding

Google Docs (https://docs.google.com): A word processing tool in Google Drive, a part of the G Suite for Education, for creating and editing documents independently or in collaborative groups; available to all teachers and students who are members of the Google domain through their school, often called a *Google School*

Google Drawings (https://drawings.google.com): A drawing app within G Suite for Education

Google Drive (www.google.com/drive): A cloud-based storage platform that can store and sync files across multiple devices using a single login

Google for Education (www.google.com/intl/en_us/edu): An overarching term for all the Google products that a school system has available for staff and student use

Google Forms (www.google.com/intl/en_us/forms/about): A survey and form-making app within G Suite for Education

Google Hangouts (https://hangouts.google.com): A unified communications service that allows members to initiate and participate in text, voice, and video chats either one-on-one or in a group and that is built into Google+ and Gmail and available as an app for Apple and Android devices

Google Maps (https://maps.google.com): Part of Google that students can use to generate maps to support their learning

Google My Maps (www.google.com/maps/d): A Google service where students create their own maps and insert place markers with additional data about a topic

Google Photos (https://photos.google.com): A photo storage, organization, and editing website, formerly called Picasa

Google Sheets (www.google.com/intl/en_us/sheets/about): A spreadsheet app within G Suite for Education that supports common spreadsheet functions such as data entry, sorting, number calculation, and chart creation

Google Sites (https://sites.google.com): A free website builder created by Google

Google Slides (www.google.com/slides/about): A web-based presentation creator available in G Suite for Education that allows users to insert images, text, charts, and videos, as well as modify transitions, layouts, and backgrounds

Google URL Shortener (https://goo.gl): A tool for shortening URLs on the web to make it easier for someone to reach a specific webpage as quickly as possible

Google+ Communities (http://plus.google.com/communities): A social networking community where educators can connect by posting ideas, questions, and requests to connect with other classrooms through Skype, Google Hangouts, and blogs

Haiku Deck (www.haikudeck.com): An online presentation tool for creating slides with beautiful images and limited text that includes a few free features and a premium version

hyperdoc: A digital document that contains links to various online resources to save time as students quickly navigate to predetermined links and that teachers can share with students on the class LMS as active, clickable links

iMovie (www.apple.com/imovie): An Apple video creation app only available on an iPhone, an iPad, or a Mac computer

Infobase Learning (http://online.infobase.com/HRC/Browse/Product/8): An online database with videos and primary documents for student use

Infogram (https://infogram): A website with free and premium features for creating infographics using the data students collect

Infotopia (www.infotopia.info): A safe search engine for students

i-nigma (www.i-nigma.com/i-nigmahp.html): A QR code scanner website

Instagram (www.instagram.com): A social media network for people to connect with others predominantly through pictures with short captions

interactive whiteboard: An interactive display board, often referred to as a *SMART Board* even though many different manufacturers exist, including SMART Technologies, Promethean, and Mimio

Jumpshare (https://jumpshare.com): A free service for storing and sharing photos, documents, and videos

Kahoot! (https://getkahoot.com): A free website for creating quizzes and answering the questions from any digital device

Kevin Honeycutt (http://kevinhoneycutt.org): A site with online collaborative projects created by educator Kevin Honeycutt, with many PBL opportunities for students and tool ideas to spark student and teacher creativity

Keynote (www.apple.com/keynote): An Apple presentation tool

Khan Academy (www.khanacademy.org): A screencast tutorial website for students to watch videos and check their understanding of concepts

Kidblog (https://kidblog.org/home): A website where students can publish and share their learning in a secure environment

Kiddle (www.kiddle.co): A visual search engine for students

KidRex (www.kidrex.org): An age-appropriate search engine for students

Kidtopia (www.kidtopia.info): A safe, custom Google search engine for elementary students

KidzSearch (www.kidzsearch.com): An age-appropriate search engine for students

Kinder Art (www.kinderart.com/arthistory): An age-appropriate site students can use to research the history of art

Kizoa (www.kizoa.com/School): A website for creating multimedia movies with images and music

learning management system (LMS): Software used to manage, track, and report educational data and courses

Library of Congress (www.loc.gov): The main research arm of the U.S. Congress, filled with collections of resources grouping primary source documents of all types

LINER (http://getliner.com): An extension available for most web browsers that allows users to read, highlight, and share across different websites to help students organize research

Lucidpress (www.lucidpress.com): A website where students and teachers can create stunning brochures, flyers, digital magazines, newsletters, and reports, with nothing to install on any device and the capability to add all types of media to a project with a simple drag-and-drop interface

Magisto (www.magisto.com): A website and an app available for Apple and Android that turns video and images into movies

Make Art (https://art.kano.me/challenges): A coding website with tutorials to teach the user how to code and create artwork

Math Playground (www.mathplayground.com/mathprogramming.html): A website filled with mathematics resources and coding activities and games

Microsoft Office (https://products.office.com/en-US): A suite of software that contains Word, PowerPoint, Excel, and other Microsoft programs

Microsoft Publisher (https://office.microsoft.com/publisher): Part of the Microsoft Office suite as well as the online Microsoft Office 365 service, which you can use on both Apple and Windows devices, containing templates to create items such as newsletters, posters, and other digital content

Mimio (www.mimio.com/en-AP.aspx): One brand of interactive whiteboards and software solutions

Moodle (https://moodle.org): A free, open-source learning management system

Mozilla Firefox (www.mozilla.org/en-US/firefox/new): A web browser the global nonprofit company Mozilla created

myON (www.myon.com): A reading platform based on student interest, reading level, and ratings of books

Mystery Skype (https://education.microsoft.com/skype-in-the-classroom/mystery-skype): A service offered on the Skype website to help teachers connect and collaborate with another unknown classroom

NetSmartz (www.netsmartz.org): A website with resources teachers can use to support digital citizenship education in the classroom

Newsela (https://newsela.com): A site with leveled news, primary sources, standards-aligned formative assessments, and more that includes free content and premium features

The NOW Classrooms Project (http://nowclassrooms.com/about): A website about the entire NOW Classrooms Project, including the *NOW Classrooms* blog and details about the book series

Otus (https://otus.com): A classroom LMS that integrates data from third parties to get a more comprehensive snapshot about student growth

Padlet (https://padlet.com): A digital bulletin board for student collaborative projects that students join through a code the teacher provides

Paint (http://microsoft_paint.en.downloadastro.com): A Microsoft tool for creating digital drawings that PC operating systems include

Pearson SuccessNet (www.pearsonsuccessnet.com): The online portal for many of Pearson's digital content solutions

Photoshop (www.adobe.com/photoshop): An image-editing program that can be accessed through the Adobe Creative Cloud for a monthly fee

PicCollage (https://pic-collage.com): A free media mashup app (with in-app purchases) for all devices that allows students to add pictures, stickers, and backgrounds and use various templates

PicMonkey (www.picmonkey.com): A free online image editor

Piktochart (https://piktochart.com): A template-driven website with free and premium features for easily creating stunning infographics

Pixel Press (www.projectpixelpress.com): A tool used to learn coding and programming

Pixlr (https://pixlr.com/editor): A website used to edit images for free

PlayPosit (www.playposit.com): A free interactive website that allows teachers to post instructional videos while embedding questions throughout to receive feedback and give immediate feedback to their students on a lesson

Plickers (https://plickers.com): A website and a free app for Apple and Android devices teachers can use to conduct quick formative assessments by scanning students' multiple-choice response codes in real time

PowerPoint (https://products.office.com/en-us/powerpoint): Part of the Microsoft Office suite as well as the online Microsoft Office 365 subscription, which you can use on both Apple and Windows devices to create presentations

PowerSchool Learning (formerly Haiku Learning) (www.powerschool.com/solutions/lms): A learning management system with limited free access as well as premium features

Prezi (https://prezi.com): An online presentation creation tool

Projects by Jen (https://projectsbyjen.com): A site with different online collaborative projects created by educator Jen Wagner that teachers can join

Promethean (www.prometheanworld.com): One brand of interactive whiteboards and software solutions

Publisher (https://products.office.com/en-us/publisher): Part of the Microsoft Office suite as well as the online Microsoft Office 365 subscription, which you can use on both Apple and Windows devices, with templates to create things like newsletters, posters, and other digital content

QR Reader (https://itunes.apple.com/us/app/qr-reader-for-iphone/id368494609?mt=8): A free QR code reader for the iPhone

Quizizz (https://quizizz.com): A free website for creating and storing quizzes that has leaderboards, music, and more to engage learners

ReadWriteThink (www.readwritethink.org): A website that has many helpful tools for writing

Safari (www.apple.com/safari): A web browser Apple developed that can only be used on Mac operating systems

Safe Kids (www.safekids.com): A free website filled with digital citizenship resources

Safe Search Kids (www.safesearchkids.com): A search engine for students

sandbox: A term for a virtual space in which learners can securely play with and explore new or untested software without judgment

Scan (www.scan.me): A QR code generator and reader

Scholastic News (http://magazines.scholastic.com): An online, age-appropriate news site for students, organized and published by Scholastic, offering free stories as well as a paid classroom subscription

Schoology (www.schoology.com): A learning management system containing a discussion board where students can write posts in response to an ongoing discussion

Scratch (https://scratch.mit.edu): A free coding language and online community developed by MIT that acts as the basis for Google CS First courses and tutorials

ScratchJr (www.scratchjr.org): A tool for learning a programming language

screencast: A recording of a digital screen with audio added to explain a concept

Screencastify (www.screencastify.com): An extension of the Chrome browser, or an application that users can install and run through the Chrome browser, used to create screencast movies

Screencast-O-Matic (https://screencast-o-matic.com): A free website with an inexpensive pro upgrade that teachers and students can use to create screencasts

screenshot: An image of the display on a computer screen

Seesaw (http://web.seesaw.me): A site and app for creating student-driven digital portfolios, with free basic features, premium advanced features, and school versions

sketchnoting: A term for taking notes as a visual story with words and pictures to connect and communicate new ideas (visit Sketchnote Army [http://sketchnotearmy.com] to see examples)

SketchUp (www.sketchup.com): A tool used to model in 3-D that includes free and premium features

Skitch (https://evernote.com/products/skitch): An app for taking and annotating pictures

Skype (www.skype.com/en): A video and instant messaging app that you can install on any type of device to collaborate with other classes and all types of experts

SMART Technologies (https://home.smarttech.com): One brand of interactive whiteboards and software solutions

Smithsonian Institution (www.si.edu): The website for all of the Smithsonian museums

Smithsonian Learning Lab (https://learninglab.si.edu): A database of information for students to use as they research topics

Smithsonian Magazine (www.smithsonianmag.com): The magazine about the Smithsonian museums

Snapchat (www.snapchat.com): An image-messaging and multimedia social networking app, for users age 13 and older, where students can create stories and share them with their followers

Socrative (www.socrative.com): A tool to survey and assess progress that includes free and premium features

Stop Motion Studio (www.cateater.com/stopmotionstudio): A free app for creating stop-motion videos

Stormboard (https://stormboard.com): A collaborative online brainstorming environment students can access from any device

SurveyMonkey (www.surveymonkey.com): A website with free and premium features for creating and circulating surveys

Swift Playgrounds (https://developer.apple.com/swift/playgrounds): An iPad-only app for learning Swift code in a fun, interactive way to help students understand app creation

Symbaloo (www.symbaloo.com): A social bookmarking website to organize research tools for students to access that works similarly to a hyperdoc but has much more visual appeal

Teaching Channel (www.teachingchannel.org): An online community where teachers can watch videos and connect with other teachers about strategies to help students

Tellagami (https://tellagami.com): An Apple-only app where students create an avatar, record a sound clip, and have a character play back the recording with added gestures

ThemeSpark (www.themespark.net): A website for creating rubrics for projects

Thinglink (www.thinglink.com): A website with free and premium features for annotating images to demonstrate learning

TinyURL (https://tinyurl.com): A URL shortener that makes smaller, more manageable website addresses for student use

TodaysMeet (https://todaysmeet.com): A tool that provides a backchannel for participants to comment and provide input without disrupting a presentation

TouchCast (www.touchcast.com): A smart video production website and app for both Apple and Android devices that allows students to create and share interactive videos

TweenTribune (www.tweentribune.com): A Smithsonian site featuring free leveled news articles, primary sources, and quizzes

Twitter (https://twitter.com): A popular social media site for communicating short messages through text and multimedia (We encourage the use of a teacher or classroom account.)

Tynker (www.tynker.com): A tool used to learn coding, which includes free and premium features

Video Star (http://videostarapp.com): A free app for iPads and iPhones designed to make music videos, with hundreds of built-in effects and filters

VoiceThread (https://voicethread.com): A paid subscription website where teachers can set up an online collaborative space for students to create video, voice, and text commenting

WatchKnowLearn (www.watchknowlearn.org): A website that contains free educational videos

Weebly (www.weebly.com): A template-based website builder with free and premium features

WeVideo (www.wevideo.com): A video creation and video-sharing tool that uses cloud-based video-editing software and includes free and premium features

Wikipedia (https://en.wikipedia.org): A free online encyclopedia that is open to users to add information (causing some to question its credibility as a primary research source) that is useful for finding additional sources of information

Wikispaces (www.wikispaces.com): An online collaboration platform that users can open or close to a global audience

Word (https://products.office.com/en-us/word): Part of the Microsoft Office suite as well as part of the online Microsoft Office 365 subscription that you can use on both Apple and Windows devices for word processing

Word Art (https://wordart.com): A tag cloud generator formerly called Tagul

Wordle (www.wordle.net): A tag cloud generator

WordPress (https://wordpress.com): A free blogging website

Yahoo! (www.yahoo.com): A search engine developed by Yahoo!

YouTube (www.youtube.com): A video platform for publishing and viewing video content