



ILedTech Coaches

Hour of Code Resource Guide

<https://bit.ly/HOCguide2020>

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Ready-made Resources

Resources from established curricular or coding initiatives

Title	Description	Link	Contributor
Hour of Code Activities	The official site for Hour of Code!	https://code.org/learn	Nicole Zumpano @nmzumpano
Code Studio	Keep it going with Code Studio from code.org has CS Fundamentals Express and other grade level lessons that covers basic coding skills and tracks student progress with student/teacher view (answers) for when a student gets stuck.	https://studio.code.org/courses	Sally Kuhn skuhn@sd925.org
Hour of Code with Khan Academy	Different activities to do with Hour of Code including: drawing with code, creating web pages, creating databases.	https://www.khanacademy.org/hourofcode	Caren Kimbarovsky @ckimbarovskyd70
Google CS First	Google CS First is a free computer science coding curriculum created by Google. Please note that there	https://csfirst.withgoogle.com/en/home	Mia Gutsell @msgutsell

	is a required set up for teachers and students to use the web based program.		
Scratch Resources	Each tutorial begins with a brief intro video and step-by-step ideas to get the group started. All three educator guides now include tips on facilitating both in-person and remote classes and workshops.	Imagine a World activity Imagine a World cards Code a Cartoon facilitation guide Make it Fly Facilitation Guide	Christine Barry cbarry@district130.org
Color by Coding	Students decipher a code using ASCII and then complete a coloring page. If you sign up for her newsletter, she does have some free resources sent in email. Cost \$	https://shop.leftbraincraftbrain.com/collections/color-by-coding Examples	Cheryl Piercy cpiercy@riverbendschools.net
Encode an Emoji	Use coding sequences to create a pixel picture in Spreadsheet. Recommended Grades 2+ Adopted from CS Unplugged Code with Google	https://docs.google.com/presentation/d/1TU6QpzNL0RV7UgscqGxfuH2J3JEfYsfC2iSMSs1-X3M/edit?usp=sharing	molly_larson@ipsd.org
Network a Neighborhood	Design a single network that connects all neighborhood buildings in Drawing. Recommended Grades PreK+ Adopted from CS Unplugged Code with Google	https://docs.google.com/presentation/d/1hITDcWBQILhB-beTzMmsST9RKwNS0x5I0HJz9mlln1Y/edit?usp=sharing	molly_larson@ipsd.org
LightBot - Hour of Code	Flash in browser version. Also tablet versions. It is deceptively simple at first, but 6th graders find it fun and challenging. Level 2: learning the value of loops. Sometimes there is more than one answer.	https://lightbot.com/hour-of-code.html	Jasonmeltzer@ogschool.org
CodeCombat	One free beginner course in Python and another in Javascript.	https://codecombat.com/	
Swift Playground	Swift Playgrounds is a revolutionary app for iPad and Mac that makes learning Swift interactive and fun. It requires no coding knowledge, so it's perfect for students just starting out. Solve puzzles to master the basics using Swift — a powerful programming language created by Apple and used by the pros to	https://www.apple.com/swift/playgrounds/	@MeagBub

	build today's most popular apps. Then take on a series of challenges and step up to more advanced playgrounds designed by Apple and other leading developers.		
codeSpark Academy	A free app for early learners (K-3rd) which covers introductory computer science concepts such as sequencing and loops.	https://codespark.com/educators	Kim Kallieris kkallieris@nsd2.com
Scratch Jr.	A free app that introduces programming language for young children (ages 5-7). Students create their own interactive stories and games.	https://www.scratchjr.org/about/info	Kim Kallieris kkallieris@nsd2.com
Kodable	Kodable is a good resource for helping students and teachers learn about coding. Teachers create a free account. There are also lesson plans for integrating Kodable into an Hour of Code-style lesson. The teacher dashboard makes it easy to track student progress, unlock difficult levels, and even log in as a student to help with a particularly tricky puzzle. Students can access their account from devices or the web using their student code, so they can easily work on shared devices or in a 1-to-1 setting.	https://www.kodable.com/	Kim Kallieris kkallieris@nsd2.com
Apple's Start to Code Guide	A downloadable guide to getting started coding on your iPad or MacBook.	https://education-static.apple.com/teaching-code/quick-start-to-code.pdf	Nicole Zumpano @nmzumpano
Applied Digital Skills	Google's ADS has five lessons using blended learning as an introduction to coding. (search coding) The link is "Program A Progress Bar."	https://applieddigitalskills.withgoogle.com/c/middle-and-high-school/en/program-a-progress-bar/overview.html	Sally Kuhn skuhn@sd925.org
Trinket - Hour of Python	Website that has Python (programming language used for making web apps) coding tutorials and challenges.	https://hourofpython.com/	Maggie Miskowicz @SVHSEdTech

Coach Created Resources

Resources created by coaches to help schools implement Hour of Code

Title	Description	Link	Contributor
Hour of Code Explanation Videos & Links 2020-2021	This document has English and Spanish videos that explain how to complete the associated Hour of Code activities for grades K-5. The videos for K-1 demonstrate the use on a touchscreen chromebook. The videos for 2-5 demonstrate the use on a non-touchscreen chromebook. The purpose of this document is to give teachers a resource where they can post the video that models how to complete the activities. Teachers can then have the students explore the Hour of Code challenges in the provided links.	Hour of Code Explanation Videos & Links 2020-2021	Mia Gutsell @msmgutsell
Hour of Code Choice Board Grades 3-5	Has an introduction to the Hour of Code video and then 6 activities that can be modified based on your students. (slide template from Slides Mania) Slides 9-16, I left in but I'm not using. I plan to add a Jamboard link to share out what students learned. Activities are a mix of code.org, and CSFirst. I also left in some audio buttons and Google Classroom icons if needed.	Hour of Code Choice Board	Dara Kappel kappeld@wego33.org

Hour of Code Choice Board Grades K-2	Has an introduction to the Hour of Code video on page 1 and then slide 2 has 6 activities that can be modified based on your students. The one with the heart is geared towards Kinder.	Shared Teacher Link	Dara Kappel kappeld@wego33.org
Hour of Code/Computer Science Hyperdoc (2020)	A hyperdoc with videos on the background of coding and computer science, Hour Of Code options, and two “unplugged” activities that have been adapted for Remote Learning. Note: Created primarily for Elementary.	https://docs.google.com/document/d/1CW_cvjBDMsJ9-t_iRLhz8UY5EwNTErkJqZCfyR12Oro/edit?usp=sharing	molly_larson@ipsd.org
Hour of Code Choice Boards PK-8	Work in Progress for Mundelein District 75. Most are resources from the official Hour of Code Website. They will be shared via Google Classroom/Seesaw.	https://docs.google.com/presentation/d/1qgYDfN2C9MPkfKpKyKwDXHgeTzVcoH-lzbUHAuqjzvg/copy?usp=sharing	Patience Bertana pbertana@d75.org
Hour of Code Participation Guide (2019)	An implementation guide for faculties looking to implement Hour of Code.	https://docs.google.com/document/d/1YuRXwdCUYrjonY0kTKnVztB_FDX2FcWT4lBBR9cdqCI/edit?usp=sharing	Nicole Zumpano @nmzumpano
Hour of Code Student Hyperdoc (2019)	A hyperdoc of coding activities based off of code.org's Hour of Code 2019 site.	https://docs.google.com/document/d/13X3KGjRsle4jTymi2yFscgRjk47NFnhJp7UrC7mhJ8/edit?usp=sharing	Nicole Zumpano @nmzumpano

Models of Implementation

Examples of potential ways to implement Hour of Code

Title/Link	Description	Contributor
From Clueless to Coding	Free resource for teachers who are new to implementing coding in the classroom. Includes lesson ideas, apps and websites to use with students.	Megan Ryder @MrsRyder58

Etc.

A hodge-podge of resources that are related to coding

Title/Link	Description	Contributor
Illinois Vision 2020 Coding Across the Curriculum	This is a free resource and collection of coding lessons for grades 6 through 8th put together by Illinois educators.	Megan Ryder @MrsRyder58
30+ Hour of Code Resources	Wakelet board of various resources/links for Hour of Code. Created by Karly Moura.	Jen Lachel jlachel@hsd36.org
Pre-reader Express for early childhood	Part of Code.org, little learners can click to hear directions read to them.	Colleen Cannonruffo ccannonruffo@naperville203.org
Hour of Code for Parents	Hour of Code's official guidance for implementing at home.	
https://wke.lt/w/s/PWfrrD	A Wakelet collection of Hour of Code resources	Nicole Zumpano @nmzumpano
Apply for a CS Discoveries & Principles Summer Cohort	The LTC is an official code.org regional partner . Applications are now being accepted for summer cohorts.	Nicole Zumpano @nmzumpano