



coding Resources

Resources curated by Kimiko Shibata @ESL_fairy
and Andrew McDonald @afmcdnL

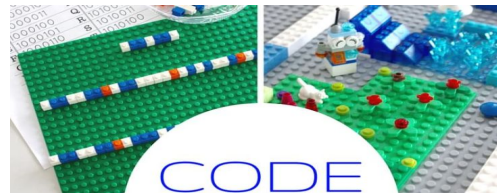
CODING IN ELEMENTARY



Coding in Elementary

A Professional Learning Resource for Ontario Educators

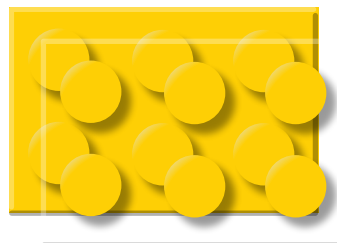
[Edugains resource](#) for teaching coding in elementary school, with sample lessons for K-8, including screen-free options.



Coding with [LEGO blocks](#). Both screen-free and crossover activities using LEGO building blocks.

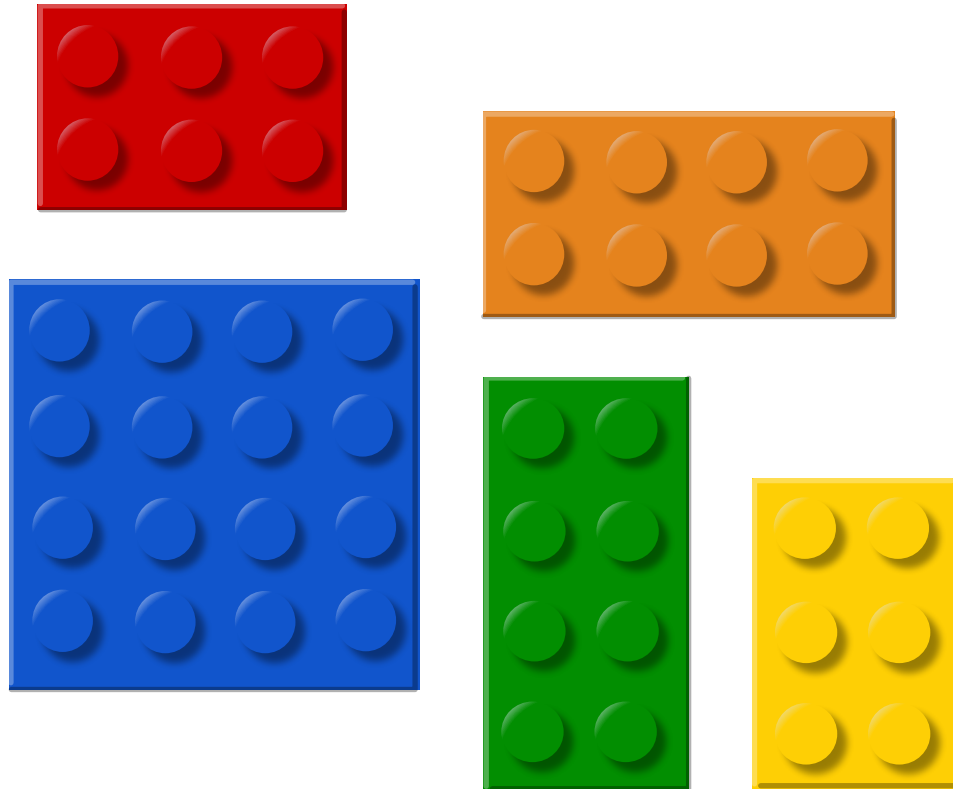
CS Fundamentals

[Lesson plans](#) for Computer Science Fundamentals (K-6)



[Hour of Code](#) activities for elementary students

Screen-free options



Screen-free options can make coding more accessible for some English Language Learners with beginner English language proficiency, students with developing literacy skills, younger learners, kinesthetic learners, and anyone else who really enjoys moving their bodies or manipulating physical objects.

[Screen-Free Ideas](#) for hands-on learning

[Lesson plans](#) for essential unplugged computer science and coding concepts, with videos of lessons in action.

[CS Unplugged](#)

[Fun Games](#) to teach coding concepts

[Coding as a Language](#) initial activities

LEARNING THROUGH GAMES



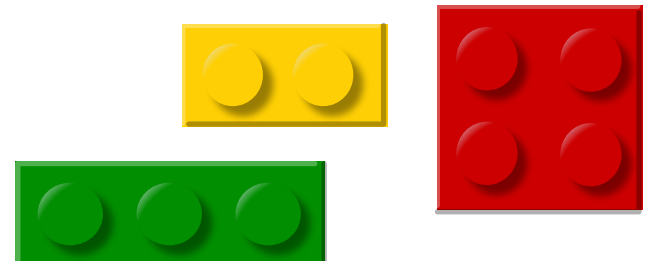
Scratch Jr. is designed for beginners to learn the basics of coding in a highly visual game-based environment. It is suitable for ELLs with beginner language proficiency or students with emergent literacy skills. (Android, iOS)



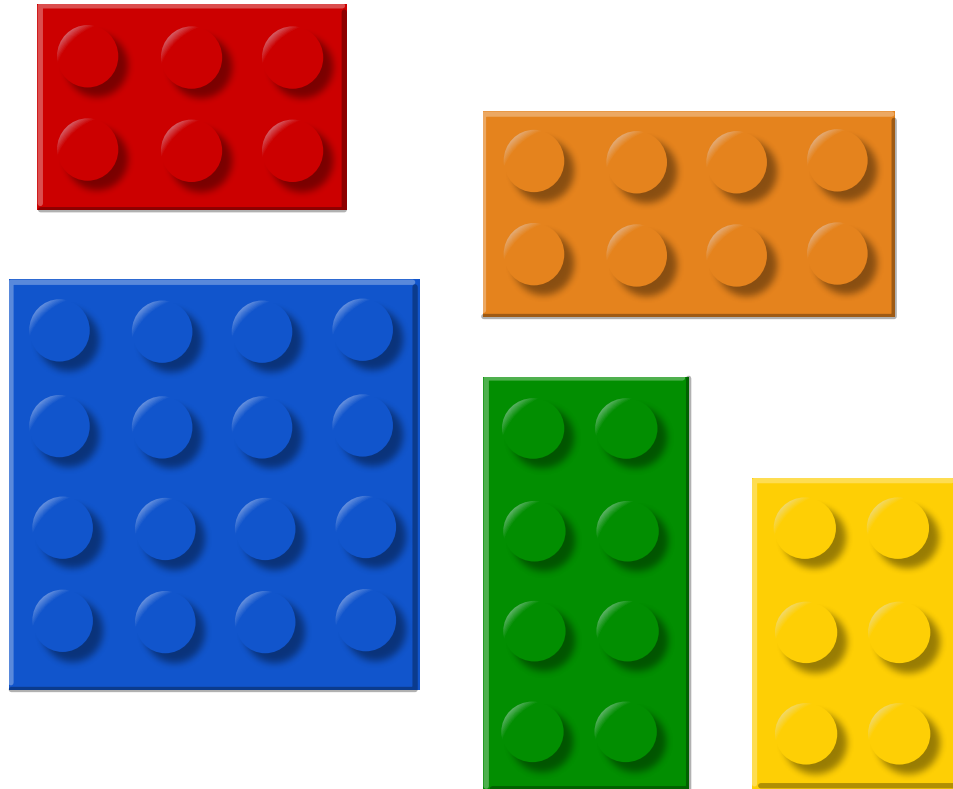
Scratch is the next step for coders after they have mastered Scratch Jr. Kids can share their stories, games, and animations with others. (web-based)



Blockly Games are fun coding games created by Google. Suitable for older students and introduces coding terminology. (web-based)



Teacher Resources

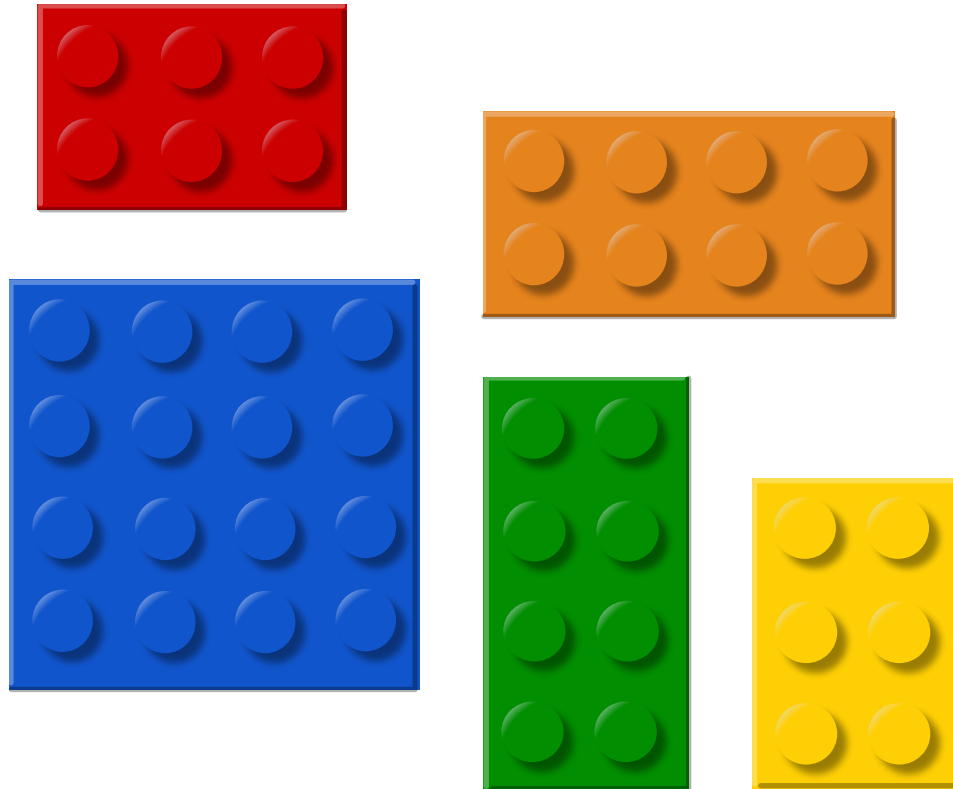


[Canada Learning Code:](#) Lessons and teaching ideas for educators

[Code Breaker](#) Site

[Getting Unstuck](#) - Fun Scratch 10 day challenge From July 6th to 17th

Block based platforms



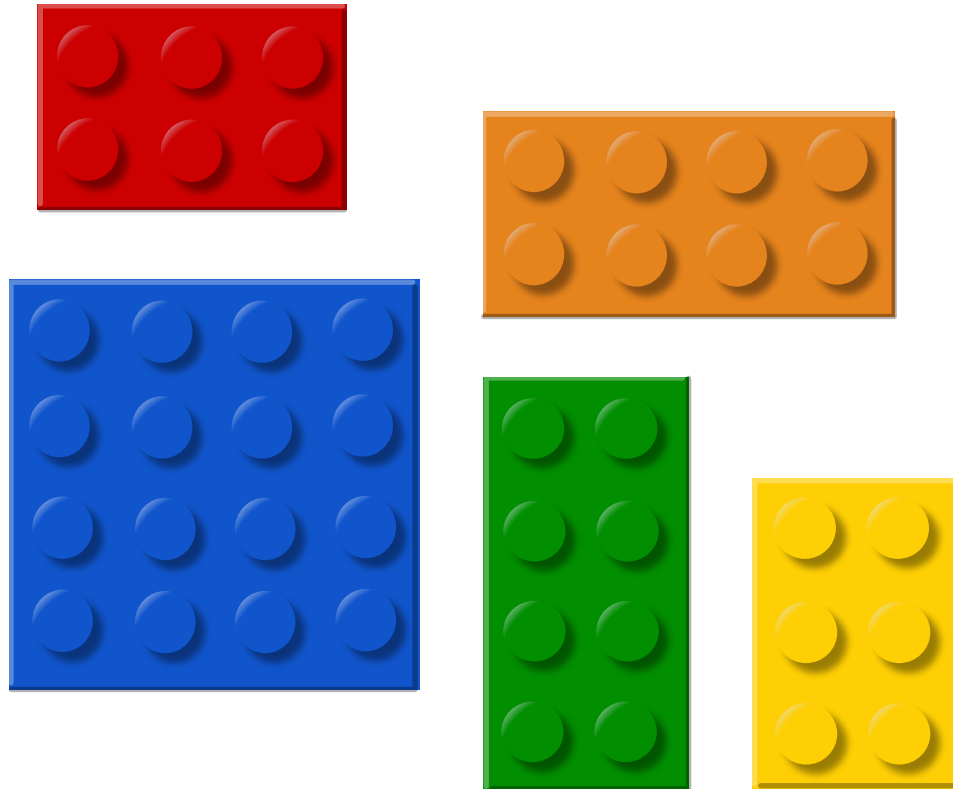
[micro:bit](#) - a great online coding platform

[mBlock5](#) - Another online platform similar to [Scratch](#)

[Scratch](#) - Block based 2D coding language

[CoSpaces](#) - Block based

Text based platforms



[micro:bit](#) - a great online coding platform - using python and typescript

[mBlock5](#) - Python

[Trinket](#) - Online coding platform

[Repl.it](#) - Online collaborative platform

[Lynx Coding](#) - Coding in English, French, Anishinaabe and Mi'kmaw