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Coding Resources

Further to my interview with Adel Chehouri (Ottawa Carleton District School Board / Twitter [@Science_Techs](#)) on the importance of students coding, found here:

<https://www.youtube.com/watch?v=eOqr-GSdTSY>

Adel has provided some outstanding resources for parents, teachers, Principals to reference for their kids who want to learn to Code!

<https://www.canadalearningcode.ca/lesson-plans/>

One of the many funded programs from the CanCode initiatives. It has lots of resources for K-12 and links to the curriculum and is BILINGUAL!

<https://sites.google.com/a/tdsb.on.ca/coding-in-the-elementary-grades/coding-connections>

A resource created by the TDSB many years ago.



<https://kidscodejeunesse.org/resources-for-educators>

From Python to HTML to Scratch, this is a great site!

<https://projects.raspberrypi.org/en/codeclub>

This is by far the best one yet, my go to for starting a coding club

<https://scratch.mit.edu/>

THE starting place for coding with students!!!

<https://studio.code.org/projects/public>

I think their best platform is the App creator, because students can literally have an understanding and create an "app" within days.

<https://www.instructables.com/makeymakey/>

This is combining Scratch and MakeyMakey, one of my top favourites for students to design, build, fail and design again!!

<https://microbit.org/projects/> this is the BBC one from England, believe it or not, they provide a microbit to every grade 6 student before they move on to grade 7, it's part of their program and it's probably the best long term investment England is doing with their coding initiative, just imagine how many of them will use Computational Thinking when they move on, and even if they don't, it will ignite wonders in their critical thinking.

<https://www.khanacademy.org/computing/computer-programming>

One of my favourites and designed by the best site for tutoring math, Khan Academy!!

ALL FREE



<https://www.codecademy.com/>

This is a freemium (start free but then you have to pay) however, you get what you pay for, meaning, if any high school student completes at least 3 language, you will 100% get a job as an undergrad, it covers everything!

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