

Coding Connections in Math

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Unplugged Activities	
Activity	Link
Code.org Unplugged lesson plans by code.org	CS Fundamentals Unplugged Lessons
Hour of Code Variety of unplugged activities	https://curriculum.code.org/hoc/unplugged.pdf
Exact instructions Challenge	https://www.youtube.com/watch?time_continue=27&v=fjF2ALrdd5A&feature=emb_title
Basic introductory challenges	http://info.thinkfun.com/stem-education/5-super-cool-offline-coding-activities
Other introductory challenges	http://info.thinkfun.com/stem-education/6-unplugged-coding-activities-for-hour-of-code
Understanding sequential algorithms in everyday life	http://code-it.co.uk/wp-content/uploads/2015/05/StaffordUnpluggedComputing1.pdf
Conditionals with Cards	https://code.org/files/ConditionalsHoC.pdf
Flowcharts with Math	https://www.youtube.com/watch?v=IKRI295CyFY
Coding Resources	
Activity	Link
Scratch coding platform	https://scratch.mit.edu/
Basic Scratch Tutorials (by Ontario teacher)	https://www.youtube.com/channel/UC5ycMRvwnXwGkDirXvA-Pzw
Code.org Algebra basics with coding	https://docs.google.com/presentation/d/1_0OPjfAQUfp0NIOHOnHqlegnw96trR-GUT1qg-rpcjw/edit?usp=sharing
Elementary coding in TDSB Cool website with wonderful resources and curriculum connections	https://sites.google.com/a/tdsb.on.ca/coding-in-the-elementary-grades/resources/coding-resources

Ministry Resources

Ontario Curriculum Math Context Goes through the process of Mathematical modelling in our new curriculum.	https://assets-us-01.kc-usercontent.com/fbd574c4-da36-0066-a0c5-849ffb2de96e/dab22a67-d9e8-4c42-a2a7-8c98cf1bbbb1/Math_Curriculum%20Context_A_ODA.pdf
Basics of Coding (EduGains)	https://www.edugains.ca/resourcesTELO/CE/CodingInterface/interface.html

Other Cool Resources

Computational thinking for a computational world How to make everyday life connections using coding skills	http://digitalpromise.org/wp-content/uploads/2017/12/dp-comp-thinking-v1r5.pdf
Making Juicy Math Connections How student questioning can lead to some juicy Math connections!	https://www.youtube.com/watch?v=Y6dP94gjx3Y&feature=youtu.be