**Compiled Computer Science and Coding Resources**

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These materials do not belong to the Super Science Squad but are merely a compilation of the resources that can be found on computer science and coding. Please connect with the administrators of the specific resource if you have further questions.

1. Overview of Computer Science and Coding

* <http://www.makerspaceforeducation.com/coding.html>
* <https://www.madewithcode.com/resources/>
* [http://ladieslearningcode.com](http://ladieslearningcode.com/)
* [https://www.codeclubworld.org](https://www.codeclubworld.org/)
* <http://www.k-12robotics.org/uploads/5/6/3/3/5633548/tsa_robotics_framework.pdf>
* <http://education.rec.ri.cmu.edu/roboticscurriculum/> .
* <http://www.roboticseducation.org/educational-resources/robotics-curriculum/>
* <https://robotics.nasa.gov/edu/matrix.php>
* [http://stemrobotics.cs.pdx.edu](http://stemrobotics.cs.pdx.edu/)
* <https://www.cs-first.com/en/home>
* <https://www.scoe.org/pub/htdocs/tech-coding.html>h

1. Online Coding

* <https://code.org/learn>
* <https://studio.code.org/courses>
* <https://studio.code.org/courses><https://scratch.mit.edu>
* <https://csfirst.withgoogle.com/en/home>

1. Lesson Plans and Guides

* <https://csedweek.org/files/CSEDrobotics.pdf>
* <http://4-h.org/parents/curriculum/robotics/>
* <http://www.intelitek.com/engineering/rec_curriculum/>
* <http://ase.tufts.edu/devtech/tangiblek/Classroom%20Curriculum%20Version%201.02%20Nov%208%202010.pdf>
* <http://zerorobotics.mit.edu/ms/>
* <http://rail.coe.uga.edu/projects/robotics/>
* <https://images.apple.com/education/docs/Get_Started_with_Code_Curriculum_Guide.pdf>
* <https://images.apple.com/education/docs/Swift_Playgrounds_Curriculum_Guide.pdf>
* <http://www.uen.org/utahstandardsacademy/science/downloads/6-3-Starter_Hopscotch_curriculum.pdf>
* <http://thefoos.com/wp-content/uploads/2016/05/codeSpark-Full-CS-Curriculum-May-2016.pdf>
* <https://curriculumonline.ie/getmedia/cc254b82-1114-496e-bc4a-11f5b14a557f/NCCA-JC-Short-Course-Coding.pdf>
* <http://scratched.gse.harvard.edu/guide/files/CreativeComputing20140806.pdf>

1. How to Guides

* <https://www.vais.org/Customized/Uploads/ByDate/2015/April_2015/April_21st_2015/Coding%20Curriculum%20-%20VAIS%20Tech%20Conf%20201599456.pdf>
* <https://net.educause.edu/ir/library/pdf/eli7095.pdf>
* <http://hopscotch-curriculum-files.s3.amazonaws.com/Hopscotch%20Curriculum%202015.pdf>
* <http://www.computingatschool.org.uk/data/uploads/CASPrimaryComputing.pdf>
* <http://www.bettshow.com/files/day_3_lisa_marshall___michael_alger.pdf>
* <https://ec.europa.eu/education/sites/education/files/2016-pla-coding-computational-thinking_en.pdf>
* <http://www.raeng.org.uk/publications/reports/get-coding>

1. Purchasable Kits on the Market

* [https://www.raspberrypi.org](https://www.raspberrypi.org/)
* <https://www.arduino.cc/en/Main/ArduinoStarterKit/>
* <https://kano.me/store/us/products/computer-kit>
* [https://www.buildpiper.com](https://www.buildpiper.com/)
* [https://www.makeymakey.com](https://www.makeymakey.com/)
* [https://bitsbox.com](https://bitsbox.com/)