Coding Extensions for Curious Students

Students in grades 4-12 should use their Office 365 email address if one is needed to register. If the students are in grades 3 or under, they will need to create an account at home with their parent using a parent email. Please note that the terms of use and privacy policy for some of the items listed below require parent permission prior to student use. In those specific items, please make sure and keep a permission slip on hand for all students.

**1.** [**Bitsbox**](https://bitsbox.com/)



Students learn to code by creating apps on a virtual tablet.

Name of Site: Bitsbox  
Age requirement: All ages   
Grade Level: 2-6  
Student Email Required: No, but if students would like to save their progress they will need to create an account using their parent’s email (Grades K-3) or their school email (Grades 4-6).  
Parent Permission needed: No  
Cost for Teacher Account: Free

**2.** [**Codeacademy**](https://www.codecademy.com/)



Learn to code online, for free.

Name of Site: Codeacademy  
Age requirement: All ages   
Grade Level: 2-6  
Student Email Required: No, but if students would like to save their progress they will need to create an account using their parent’s email (Grades K-3) or their school email (Grades 4-6).  
Parent Permission needed: No, permission may be granted by the teacher.   
Cost for Teacher Account: Free

**3.** [**Code Avengers**](https://www.codeavengers.com/)



Learn to code apps and websites through interactive games.

Name of Site: Code Avengers  
Age requirement: All ages   
Grade Level: 4-6  
Student Email Required: Yes  
Parent Permission needed: Yes, if students are under 13.  
Cost for Teacher Account: Free

**4.** [**Code Combat**](https://codecombat.com/)



Learn programming with a multiplayer live coding strategy game for beginners.

Name of Site: Code Combat  
Age requirement: 9+  
Grade Level: 3-6  
Student Email Required: No, but if students would like to save their progress they will need to create an account using their parent’s email (Grades K-3) or their school email (Grades 4-6).  
Parent Permission needed: No  
Cost for Teacher Account: Free

**5.** [**Code Maven**](http://www.crunchzilla.com/code-maven)



Code Maven gets teens excited about programming. It is an interactive tutorial where anyone can experiment with learning to code.

Name of Site: Code Maven  
Age requirement: All ages   
Grade Level: 1-6  
Student Email Required: No  
Parent Permission needed: Yes  
Cost for Teacher Account: Free

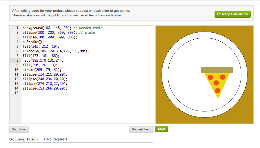
**6.** [**Code Monster**](http://www.crunchzilla.com/code-monster)



Code Monster gets kids excited about programming. It is a combination of a game and tutorial where kids experiment with learning to code.

Name of Site: Code Monster  
Age requirement: All ages   
Grade Level: 1-6  
Student Email Required: No  
Parent Permission needed: Yes  
Cost for Teacher Account: Free

**7.** [**Khan Academy**](https://www.khanacademy.org/computing/computer-programming)



Learn how to program drawings, animations, and games using JavaScript & ProcessingJS, or learn how to create webpages with HTML & CSS.

Name of Site: Khan Academy  
Age requirement: All ages   
Grade Level: 2-6  
Student Email Required: No, but if students would like to save their progress they will need to create an account using their parent’s email (Grades K-3) or their school email (Grades 4-6).  
Parent Permission needed: Yes, for students under 13.  
Cost for Teacher Account: Free

**8.** [**MIT App Inventor**](http://appinventor.mit.edu/explore/)



Design and program your own apps, step by steps guides.

Name of Site: MIT App Inventor  
Age requirement: All ages  
Grade Level: 3-6  
Student Email Required: Requires a Google account.   
Parent Permission needed: No  
Cost for Teacher Account: Free

\*Requires an Android tablet or phone to be used with website\*

**9.** [**Scratch**](https://scratch.mit.edu/)



Scratch is a free programming language and online community where you can create your own interactive stories, games, and animations.

Name of Site: Scratch  
Age requirement: All ages  
Grade Level: K-6  
Student Email Required: No, but if students would like to save their progress they will need to create an account using their parent’s email (Grades K-3) or their school email (Grades 4-6).  
Parent Permission needed: Yes  
Cost for Teacher Account: Free

**10.** [**Turtle Academy**](https://turtleacademy.com/)



Turtle Academy makes it surprisingly easy to start creating amazing shapes using the LOGO language.

Name of Site: Turtle Academy  
Age requirement: 7+  
Grade Level: 1-6  
Student Email Required: No  
Parent Permission needed: No  
Cost for Teacher Account: Free

**11.** [**Tynker**](https://www.tynker.com/)



Tynker makes it fun and easy to learn computer programming.

Name of Site: Tynker  
Age requirement: All ages  
Grade Level: 3-6  
Student Email Required: No  
Parent Permission needed: No, permission may be granted by the teacher.  
Cost for Teacher Account: Free for basic use

**12.** [**W3schools.com**](http://www.w3schools.com/)



The world’s largest web developer site.

Name of Site: w3schools  
Age requirement: All ages  
Grade Level: 1-6  
Student Email Required: No  
Parent Permission needed: No  
Cost for Teacher Account: Free

All descriptions have been taken directly from the company’s websites.