



LIBRARY and TECHNOLOGY

Epic Library Code: csl3600

Mrs. Wagner has compiled a google doc of various free educational resources kids and families can use. The link for the doc is

https://docs.google.com/spreadsheets/d/17FuZ_tiAo-EICUrZtmFtkc8N5rMXFM94tp9QpW9KYuk/edit?usp=sharing

Grades K-3

Typing

www.kidztype.com

This website offers a variety of typing games for students to choose from. When you enter the site it highlights Dance Mat Typing as the featured game. This game introduces letters in the Home Row and the lessons build on one another. By using the menus at the top of the site, there are many different games and lessons that the students can complete.

www.turtlediary.com

This website offers educational games in many different subject areas. By clicking on the Games Tab at the top, students can select to complete many games that focus on letter placement on the keyboard and basic word formation.

www.typedastic.com

This website has lessons banded together by grade level to help students learn at an age appropriate level. The fun graphics and interactive lessons make this website enjoyable for students while they are learning important typing skills.

Coding

Box Island

This free app (iPad and Android based) allows students to create codes to complete levels that help move the main character across an island. If students are able to complete all levels of this game, they will earn an "Hour of Code" certificate that you can print at home.

Code Karts

This free app (iPad and Android based) puts students "behind the wheels" of a go kart. Students must create a code that gets to go kart from the Starting Line to the Finish Line. Once students have finished putting in their code, they click on their go kart to test it out. This app allows students to practice the idea of looping to improve the functionality of their code.

Think and Learn Code-a-Pillar

This free app (iPad and Android based) allows students to create a code for the Code-a-Pillar to follow. The lessons in this app start off very easy and increase in difficulty as students gain experience. We have used Code-a-Pillars in class before, so students should recognize the character on the screen and the music that plays as the Code-a-Pillar travels to its destination.

www.code.org

With code.org, children can work through a course to help them learn and expand on the concepts of coding. Students can start at Course A for the most basic level, and move up as they are ready. The courses use characters that are familiar to students, such as Angry Birds, Ice Age, and Frozen.

Grades 4-6

Typing

www.typetastic.com

This website has lessons banded together by grade level to help students learn at an age appropriate level. The fun graphics and interactive lessons make this website enjoyable for students while they are learning important typing skills.

<http://typefastnow.com/free-typing-games-for-teenagers>

This website offers typing games to pre-teens and teens that are focused on topics such as sports and nature. The games are designed to improve typing speed and accuracy.

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

Once students get to this website, they can click on the Student tab and they will be redirected to a variety of lessons and games that help students learn to type words and phrases they will use in the real world. The lessons allow students to learn in a way that is fun and appropriately challenging.

Coding

Box Island

This free app (iPad and Android based) allows students to create codes to complete levels that help move the main character across an island. If students are able to complete all levels of this game, they will earn an "Hour of Code" certificate that you can print at home.

Tynker - <https://www.tynker.com/>

This website uses block coding with characters that look similar to Minecraft. Students can click on the Play tab at the top and access many different types of coding games. For more games, you making a parent account and then your child can click on the Create Tab to a project that uses code to make various creatures move, talk, etc.

Code Combat - <https://codecombat.com/play>

While some of this website requires a payment, the first 42 lessons are free. In Code Combat, students create a character for themselves and then create codes to help them navigate through the Kithgard Dungeon. This website teaches students how to complete basic codes with Python and Java (the next steps to coding after learning how to block code.)

www.code.org

With code.org, children can work through a course to help them learn and expand on the concepts of coding. Students can start at Course A for the most basic level, and move up as they are ready. The courses use characters that are familiar to students, such as Angry Birds, Ice Age, and Frozen.