# ELED 422 - Technology Tools

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|     | Tool | Platform | Description | Use |
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| ex | Little Bits | hands-on | Small electronic modules that stick together magnetically | Use for hands-one engineering challenges in which students have to build and create things |
| 1 | Solar walk app | Web based app | App that allows to students to explore and learn about the solar system. | Can be used when learning about the solar system. |
| 2 | Bloxels app | Phone/tablet app | An app that allows kids to create their own games. | Could be used along with a lesson to make it more engaging. |
| 3 | The Everything Machine app | iOS app | Visual programming app where you put objects together to make something. | Can be used to teach problem solving. |
| 4 | The Robot Factory app | phone/tablet app | App that allows people to build robots and test them in an outdoor environment. | Can be used to teach students about the engineering process and scientific method. |
| 5 | Tynker | Web based app | Coding website for kids. | Can be used to teach coding. |
| 6 | Screencast-O-Matic | Web based app | App for taking screencast videos. | Can be used to make instructional/tutorial videos for class. |
| 7 | Adobe Spark | Web based app | Website used to make videos using pictures and icons. | Can be used to make engaging videos for class. |
| 8 | Piktochart | Web based app | Website for making appealing infographics. | Can be used to make handouts for students, or for students to used on projects. |

| 9 | Code.org | Web based app | Website used to make games and solve puzzles using coding techniques. | Can be used to teach coding techniques to students. |
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| 10 | Hopscotch | phone/tablet app | App used to teach basics of coding. | Can be used to make coding lessons more interesting and fun for students. |
| 11 | Cargo-Bot | iPad app | Game for iPad that teaches the basics of coding techniques. | Could be used as a supplement to coding lessons in classroom. |
| 12 | Light bot | phone/tablet app | Game for phone/tablet that teaches the basics of coding techniques. | Could be used as a supplement to coding lessons in classroom. |
| 13 | Dot and Dash | Hands on, iOS apps | Small robots that can be programmed to move, turn, and flash lights. | Can be used to teach basic programming skills in a fun and interesting way. |
| 14 | Loom | Chrome extension | Chrome app for taking screencast videos. | Can be used to make instructional/tutorial videos for class. |
| 15 | Flipgrid | Web based app | Used to create short, personal videos. | Could be used to give/receive feedback from students and teachers. |
| 16 | GoSoapBox | Web based app | Website student response system. | Can be used to make quizzes and poll questions. |
| 17 | Quizizz | Web based app | Website used to create quizzes. | Can be used to take in class quizzes or review in-class for tests. |
| 18 | Popplet | Web based app | Website that can be used to create flow charts and diagrams. | Could be used to make handouts for students or as a study tool. |
| 19 | Lucidcharts | Web based app | Website that can be used to create flow charts and diagrams. | Could be used as a study tool and to stay organized. |
| 20 | Wheel Decide | Web based app | Website that creates a wheel for randomizing choices. | Can be used for class to pick groups, presentation times, etc. |