

# Welcome!

*Elms*

2024-2025

*K-5*

*Back to School Night*

## Welcome to the STEM LAB!:

- *We have Computers/Tech Once every week in the STEM Lab.*
- Students in Grades 2-5 have a Typing Test to Complete each week for Homework. (GR 2 begin TRM 2)
- Students in Grades K-1 have to practice logging in and out of their Chromebooks each week for Homework.
- Once an Assignment is Completed in class - the students Must View Assignment - Mark as Done or Turn In for me to Grade and then Return to them. (**Do not Return work that has a Grade.**)
- The students need to try to remember what they learn from one class to the next.
- **The students are responsible for finding out if work is Assigned & Turned In.**
- There is a To Do List & Calendar in Google Classroom that shows everything.

# A Whole New World

- The Kindergarten Computer, Tech and STEM curriculum will introduce students to proper terminology throughout the year.
- The students will learn how to Log In to their chromebook.
- The students will have a basic introduction to the following software applications:
  - Google Classroom and Docs
  - Internet Applications ABCYA, PBS Kids and Code using Chromebooks and focus on letter recognition.
- Activities using LEGO, Keva, Magnets, Marble runs and more.

## Computer Literacy & STEM

- The 1st grade Computer, Tech and STEM curriculum will introduce students to the following software applications and integrate it collaboratively with STEM Challenges:
  - Google Classroom, Docs, and Drive.
  - Internet Applications like Code using Chromebooks.
- The students will learn how to Log In to their chromebook.
- The students will discuss and learn to use proper computer, Coding and STEM terminology throughout the year.
- Activities using LEGO, Keva, Magnets, Marble runs.

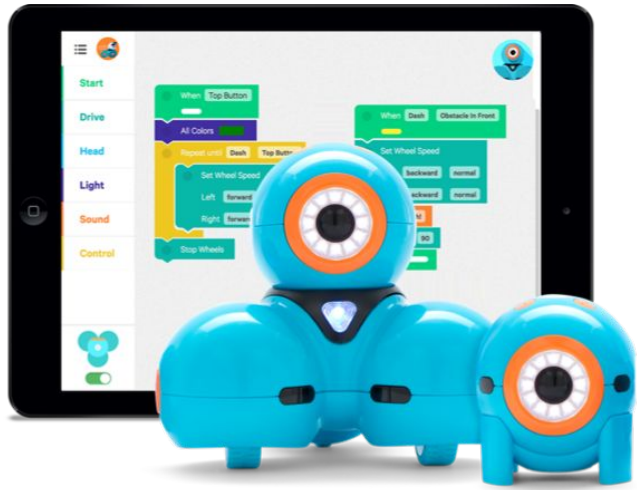
## Computer Literacy & STEM

- The 2nd, 3rd, 4th & 5th grade Tech/STEM curriculum will introduce and reinforce student knowledge of the following software applications and integrate it collaboratively with STEM Challenges:
  - Google Docs, Sheets, Slides, Drive, Classroom and *GMail (3rd grade)*
  - Internet Applications using Chromebooks
- The students will learn Coding, Robotics and STEM terminology throughout the year.
- Activities using LEGO, Keva, Magnets, Marble runs.

## Computer Literacy & STEM!



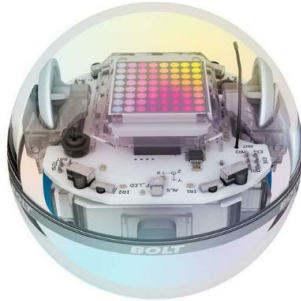
Building with LEGO Education: WeDo 2.0 & Duplo



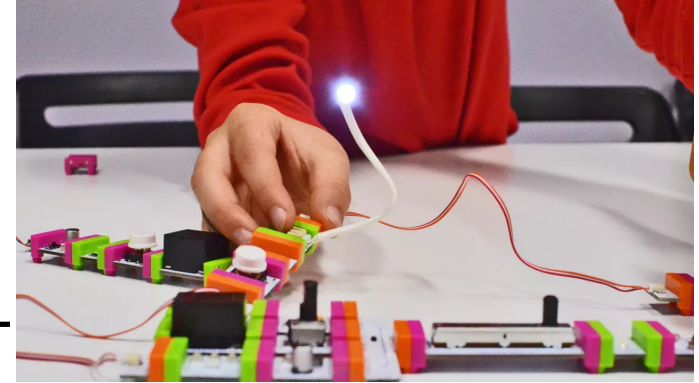
Dash & Dot Robots:  
Wonder Workshop



Sphero SPRK+



Sphero Bolt

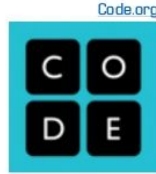


Little Bits: Engineering  
Magnetic  
Electronic Building  
Blocks

Robotics, Building, Engineering and Coding!



# code



One or more commands or algorithm(s) designed to be carried out by a computer.

E. Gasman - echnoflections.com



Using Blockly Language in different platforms  
is a great way to learn how to code.





**Keva Planks**



**Cubelets**



**3D Mag Builders**

# Building & Maker Kits

The students will integrate Google Applications with everything here:

**LEGO Brick Building**

*LEGO STEM Challenges*  
*LEGO Story Starters*  
*LEGO Engineering Design Challenges*

**Collaborative Working Space**

*Group Seating*  
*Workstations w/ LCD TVs*  
*Grid map for Coding Robots*

**Digital Technology**

*Tablets & Chromebooks*  
*Flat Panel TV Monitors for Workstation Collaboration*  
*Green Screen for Movie and Video Creation*

**Robots & Tinkers**

*Dash & Dot*  
*Little Bits*  
*Cubelets*

*Keva Planks*  
*LEGOs*  
*Makey Makey*

What will your child create in the Elms STEM Lab?

The Elms STEM/Makerspace has allowed our learners to collaborate, create, problem solve, program, design and participate in challenges aligned with the computer literacy/technology curriculum.

I hope it helps them to love learning technology!

My dream is to see all of my kiddos working in a STEM field!

The STEM LAB!

If you need to reach me about any problems or concerns, please feel free to contact me.

I will get back to you as soon as I possibly can.

I also work After Care 2-3 days a week.

You can email me at: [DRSendecki@Jacksonsd.org](mailto:DRSendecki@Jacksonsd.org)

**Thank you for joining me this evening!**

A special thanks to our *Elms PTN*.  
Without them, this STEM Lab would never  
thrive like it does today!

Thank you especially to the Elms PTN for our Club  
Grants that help our students achieve greater robotics  
and coding skills, and have great STEM experiences!

I am happy to Welcome you to the STEM Lab!  
Thank you for sharing your child with me.

Thank you from the bottom of my heart! 