

Bonner Legacy Project - Spring 2021

Classroom Resources for Virtual Spaces



The Learning Lab

About Us



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Our Mission

to establish an inclusive, accessible, and creative online platform for students of all ages, parents, and educators. These resources can be used to engage and supplement student learning and growth both at home and at school.

Why?

“simple access to books is one of the biggest obstacles—and perhaps the biggest opportunity—in equalizing children’s literacy. The number of books in a child’s home has been shown to be the best predictor of his or her scores on reading exams. Yet, 61% of low-income families do not own any children’s books (Bridges; Children’s Literacy Foundation).”

“The emphasis on providing stimulation and organized learning experiences for children escalated in technologically advanced societies. The practice fits with societal goals pertaining to higher order skills and independence. Research done in technologically advanced societies shows that children who have access to stimulating learning materials in the home and enriching experiences at home and elsewhere display higher levels of competence and adaptive functioning from late infancy through adolescence, albeit that varies somewhat by country ([18]). In addition, there has been evidence from developing countries that exposure to stimulation in the home is associated with such other indicators of well-being as height and nutritional status”

“a home library provides educational advantages for children independent of parents’ educational level, occupation and economic class (Evans, Kelley, & Sikora, 2014; Kern & Friedman, 2008). Evans and her colleagues documented that the strong effect of the number of books at home (‘home library’) and the intellectual environment those volumes reflect- on academic achievement prevailed across 42 nations, and evidence of the benefits of a large home library is even greater for children who grow up in families with a low educational level and low-status occupations (Evans et al., 2014).”

Trenton NJ

Poverty

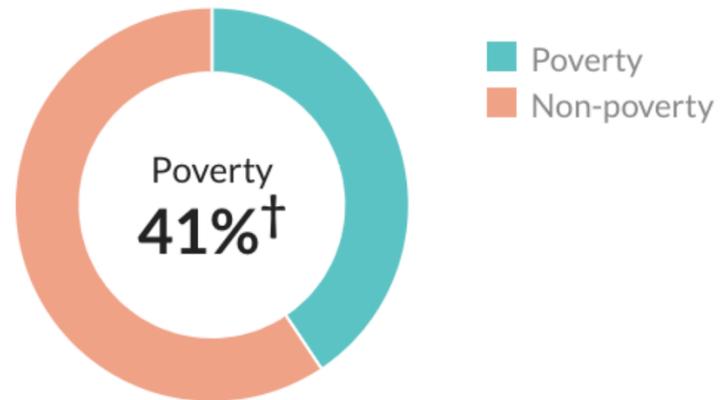
31.4%

Persons below poverty line

more than double the rate in the Trenton-Princeton, NJ Metro Area: 12.8% †

more than double the rate in New Jersey: 9.2%

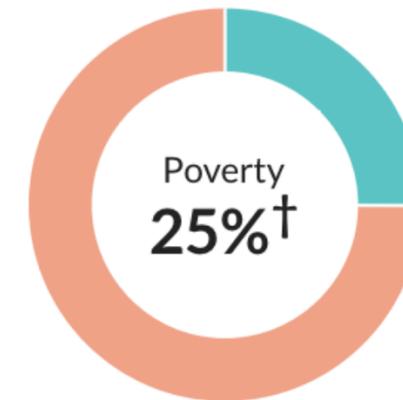
Children (Under 18)



Poverty
Non-poverty

[Show data / Embed](#)

Seniors (65 and over)



Poverty
Non-poverty

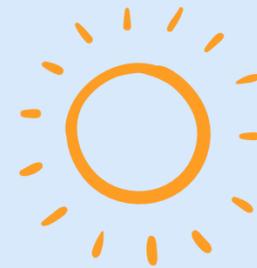
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Our Community

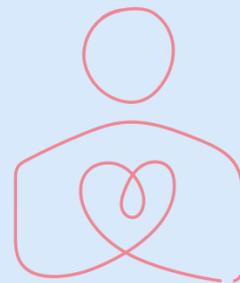
initially, our plan was to create an accessible space for children to find resources and online material. However, we decided that it would be the perfect opportunity to create a shared community space for everyone who influences a child's learning and growth: the student themselves, their caregivers, and the educators. Our online website creates a virtual community with resources for everyone interested in the wellbeing of young learners.

1. STUDENTS



Students of all ages can navigate this child friendly platform to explore different stories, projects, and experiments that they find engaging and relevant. We decided to organize by subject rather than grade/age to encourage cross curriculum exploration.

2. CAREGIVERS



Caregivers can access supplemental books, activities, lesson plans, and videos to encourage at home learning engagement. Adults can find a tab with resources to guide them through at home learning and how to support their child.

3. EDUCATORS



Educators can utilize the website as a tool both in and outside of the classroom. In addition, educators can find a library of lesson plans created by other educators, or contribute their own!



Website Structure

CAREGIVER SUPPORT

INFO ON HOW TO BEST SUPPORT STUDENTS LEARNING, TECH SUPPORT, COMMUNITY RESOURCES

HOME

About Us, Our Team,
Community Bulletin Board,
Resource submissions

EDUCATOR SUPPORT

ONLINE & PRINTABLE CLASSROOM ACTIVITIES, LESSON PLANS, ACCESS TO OUR FULL READ ALOUD LIBRARY

SUBJECTS

STEM, THE ARTS, HISTORY, ENGLISH.

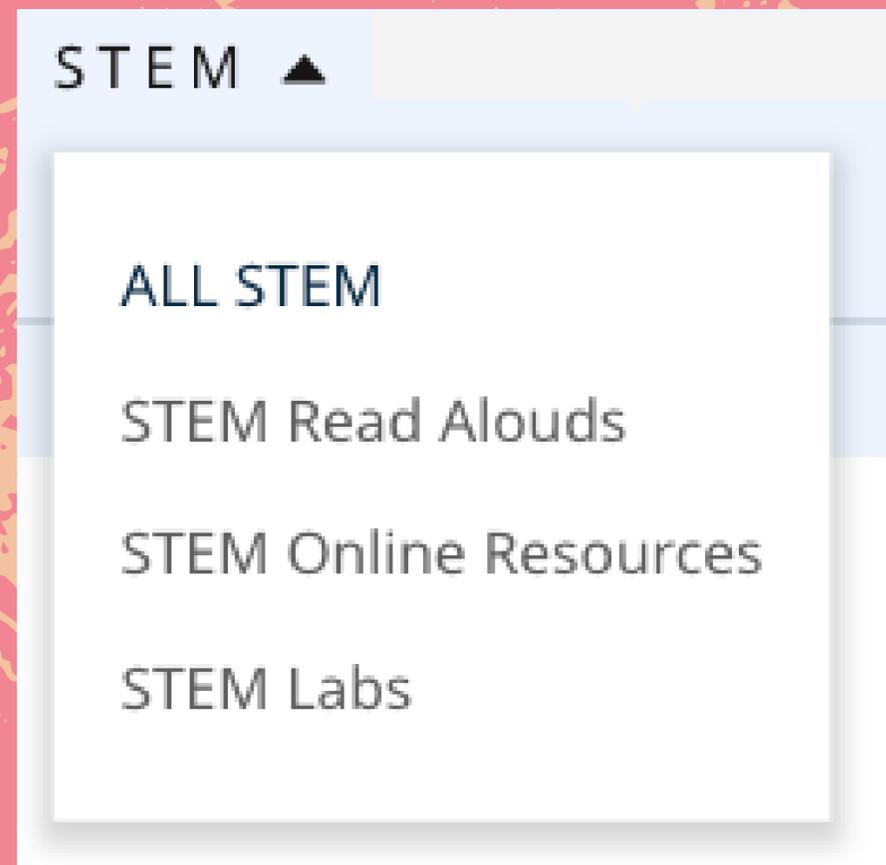
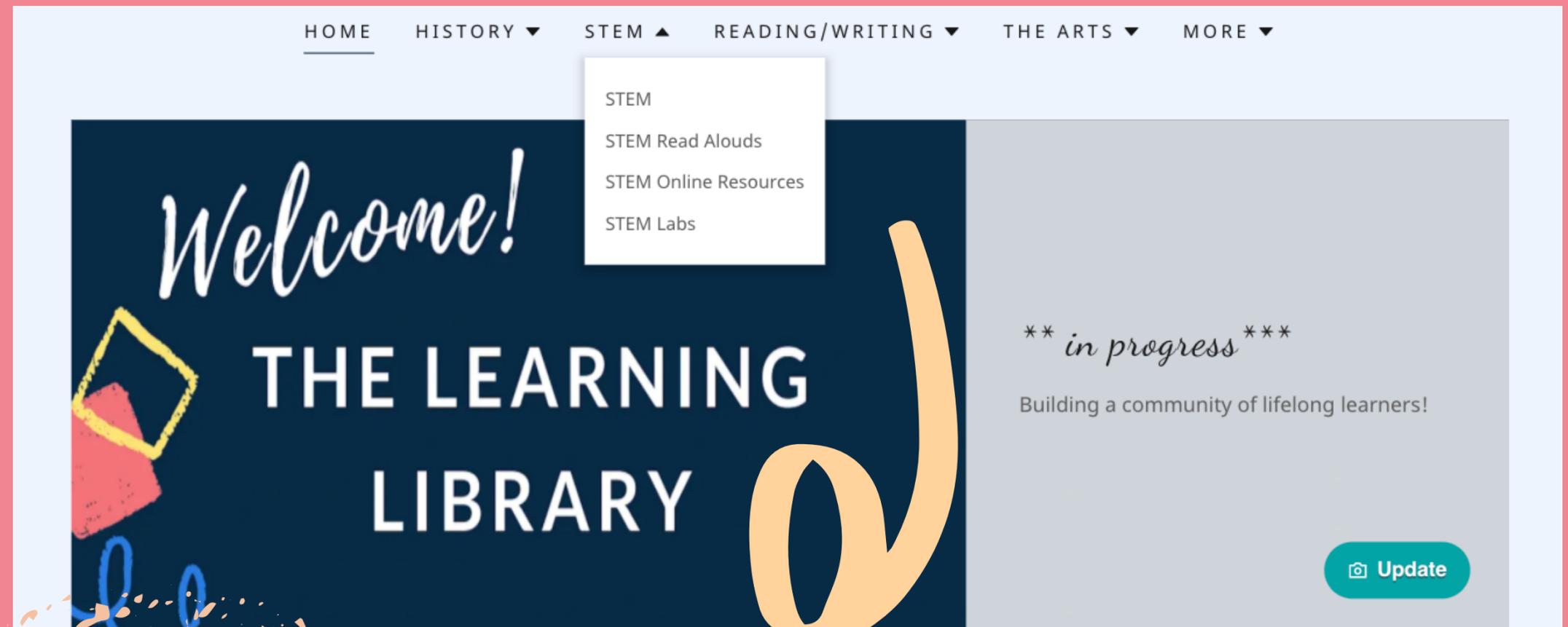
EACH SUBJECTS PAGE INCLUDES READ ALOUDS, LABS/ACTIVITIES, & MORE RELEVANT TO THE SUBJECT

HEALTH & WELLNESS

MENTAL & PHYSICAL HEALTH, NUTRITION

THIS CATEGORY INCLUDES INFORMATIONAL ARTICLES, MINDFULNESS ACTIVITIES & CRISIS HOTLINES

Preview Our Page



Each Subject or Category listed at the top of the website has a drop-down menu that lists the corresponding resources available

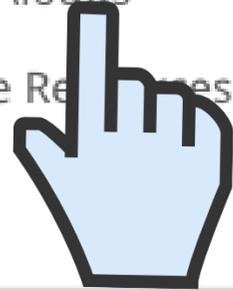
STEM ▲

ALL STEM

STEM Read Alouds

STEM Online Resources

STEM Labs



STEM Topics



SPACE



The Magic School Bus

MAGIC SCHOOL BUS INTRODUCTION



Intro song

WATCH THE SHOW (TO DO)

LOST IN THE SNOW



Book summary here

DIGITAL COPY

THE CLIMATE CHALLENGE



Book summary

DIGITAL COPY

Ocean Life

THE BRAVEST FISH



intro song

WATCH THE SHOW (TO DO)

A HOLE IN THE BOTTOM OF THE SEA



Book summary here

DIGITAL COPY

IF SHARKS DISAPPEARED

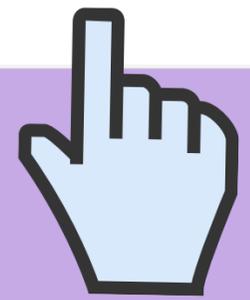


Book summary

DIGITAL COPY

STEM ▲

- ALL STEM
- STEM Read Alouds
- STEM Online Resources
- STEM Labs



SIMPLE & SAFE LABS FOR ALL AGES! Little resources needed

HOME HISTORY ▼ STEM ▲ READING/Writing ▼ READ ALOUDS LIBRARY ▼ MORE ▼

STEM
STEM Read Alouds
STEM Online Resources
STEM Labs

Labs

TORNADO IN A BOTTLE

Learn how to create your own tornado in a bottle using only water, dish soap, and glitter!

[PRINTABLE DIRECTIONS](#)

HOMEMADE LAVA LAMP

Learn how to create your own lava lamp in a bottle only using water, Alka-seltzer, food coloring, and vegetable oil!

[PRINTABLE DIRECTIONS](#)

RAINBOW IN A GLASS

Learn how to create your own rainbow in a bottle using only sugar, water, and food coloring!

[PRINTABLE DIRECTIONS](#)

BAKING SODA VOLCANO

FLOATING MARKER MAN

BALLOON BLOW UP

MOVING FORWARD

A LOT TO BE DONE(:



CONNECTING WITH THE COMMUNITY

We plan to utilize our existing relationships with our Bonner partners to tailor our website to meet their needs. In addition to this, we hope to use the website as a community resource/"hub".



EXPANDING OUR RESOURCES

In addition to our academic resources, we plan to add or expand the following categories:

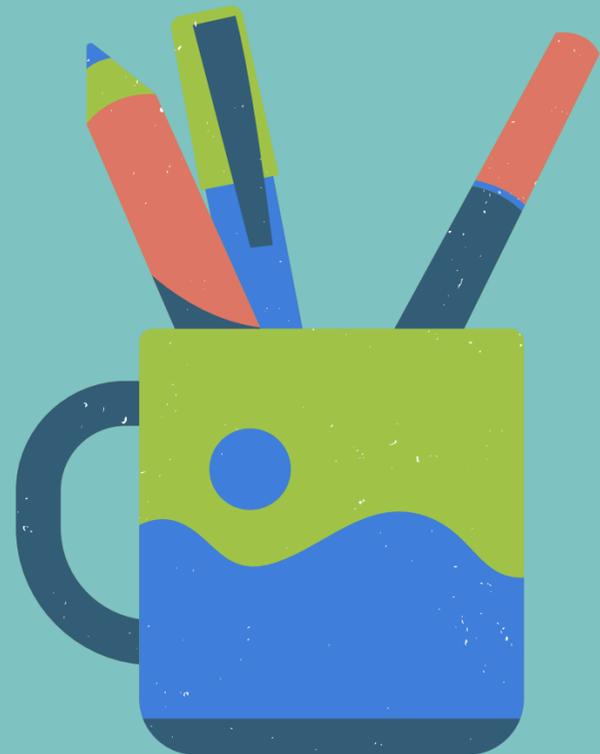
- Post Secondary Information (college & career info)
- More support & resources for ESL students
- Educator & parent resources
- Monthly Book Clubs / Read Alouds



BUILDING A RELIABLE SITE

One of our goals is to develop a website that is user-friendly and accessible for all anywhere and anytime. After some trial & error, we hope to officially publish our site free of any tech-related issues

QUESTIONS?



CONTACT US

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WORKS CITED

<https://rxreading.org/research-on-literacy/socioeconomic-factors-and-literacy-how-access-to-books-matters/>

<https://nordicliteracy.net/index.php/njlr/article/view/1260/3168>

[Robert H. Bradley, and Diane L. Putnick. "Housing Quality and Access to Material and Learning Resources Within the Home Environment in Developing Countries." *Child Development*, vol. 83, no. 1, Wiley-Blackwell, 2012, pp. 76-91, doi:10.1111/j.1467-8624.2011.01674.x.](#)

<https://censusreporter.org/profiles/16000US3474000-trenton-nj/>