national summer learning association

Meet the Authors: New Literacy and STEAM activity resources you can use this summer

Welcome!

- Your phone line is muted.
- The webinar is being recorded.
- A link to the recording and slides will be made available.

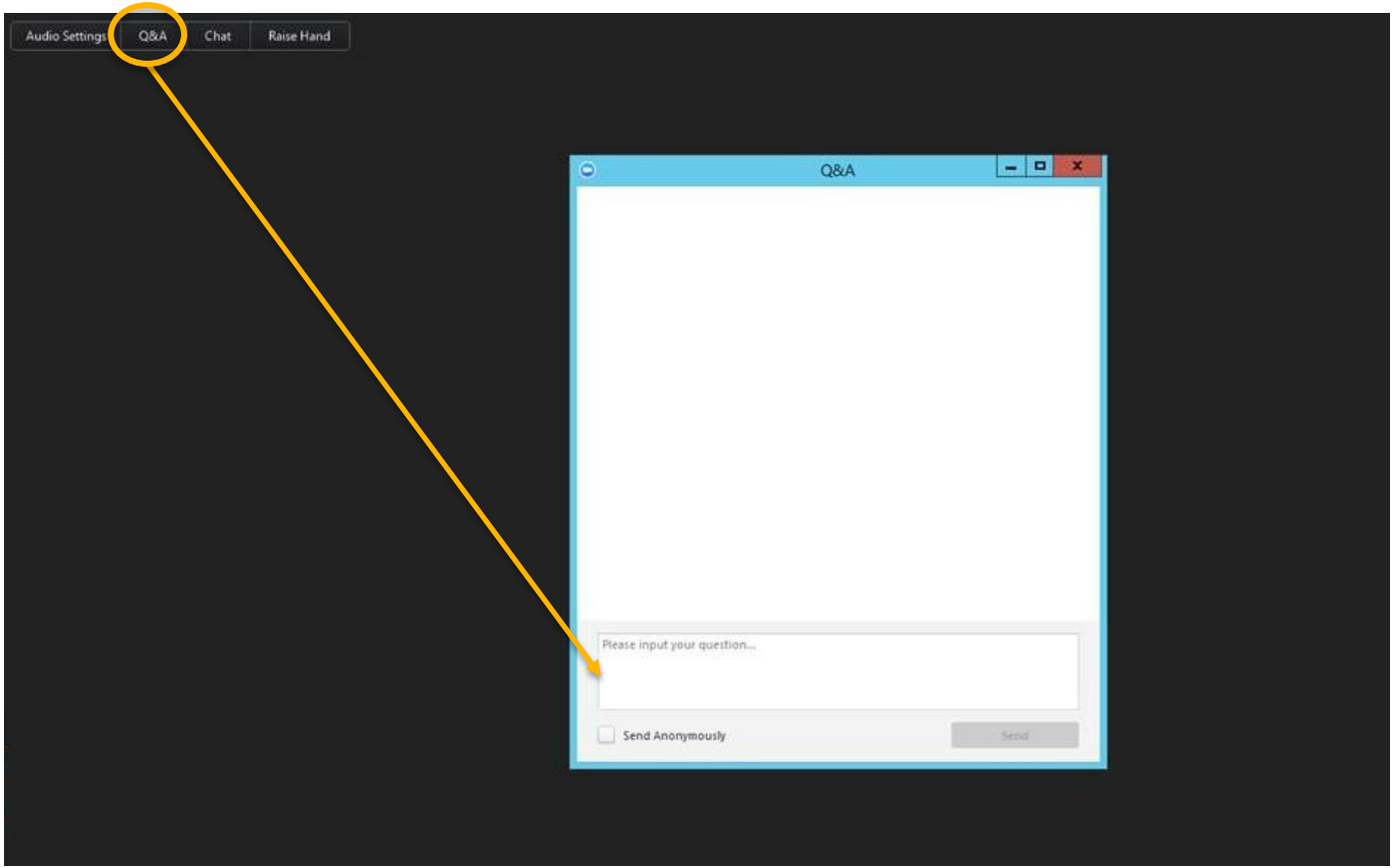
Welcome!

Leslie Gabay-Swanston
Director of Program and Systems Quality
National Summer Learning Association

Webinar Overview

- About NSLA & Why Summers Matter
- Speakers
  - Laura Johnson
  - Matthew Boulay
  - Liz McChesney
  - Brett Nicholas
- Audience Questions
- Announcements

Q&A Box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Q&A
Chat
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Q&A
Please input your question...
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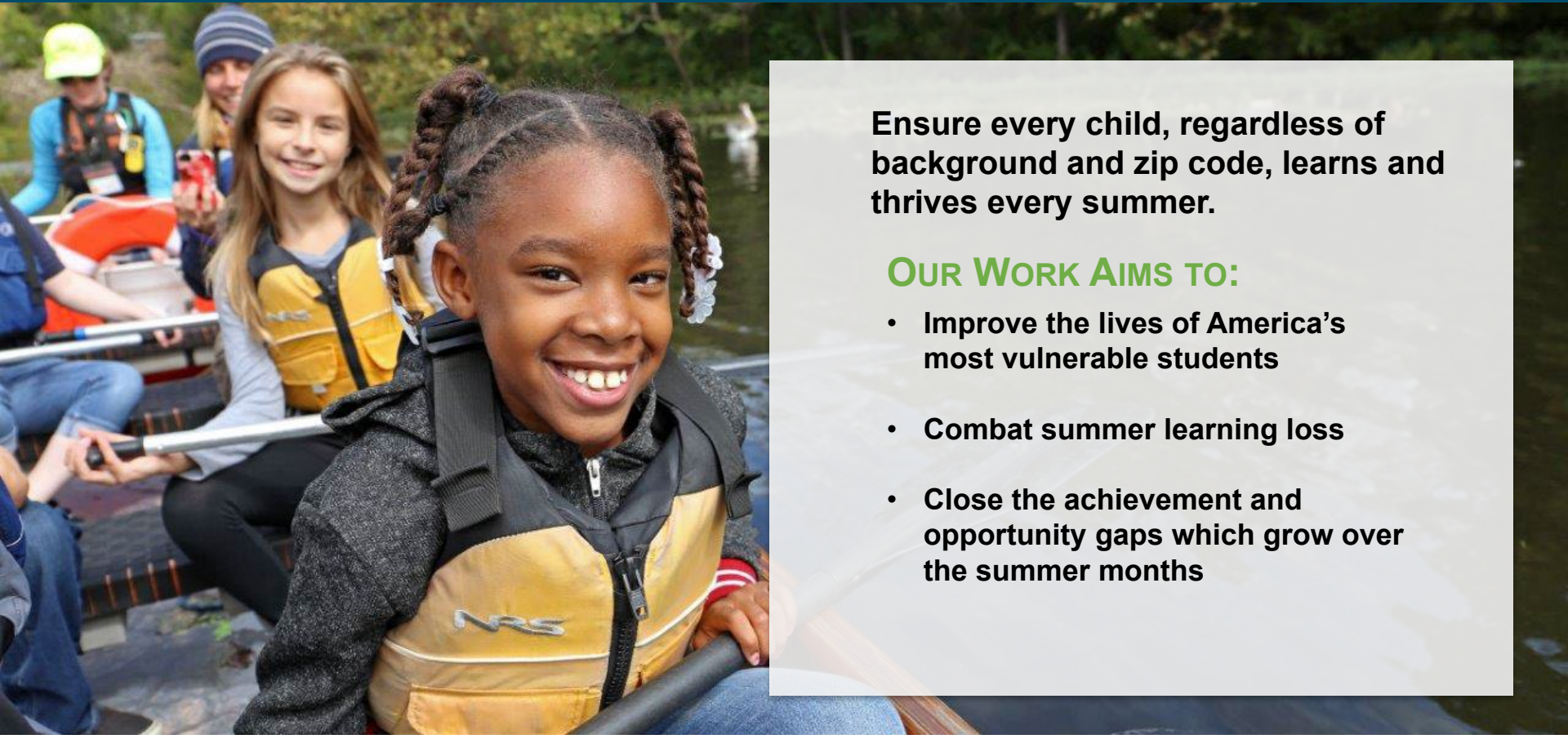
Our Vision



Ensure every child, regardless of background and zip code, learns and thrives every summer.

Our Work Aims to:

- **Improve the lives of America's most vulnerable students**
- **Combat summer learning loss**
- **Close the achievement and opportunity gaps which grow over the summer months**

Summer: A Unique and Underleveraged Time

Time for Improvement

Provide students and staff opportunity to catch up, keep up and develop new skills.

Time for Innovation

Empower staff to test and try out and measure new ideas, solutions, strategies before scaling

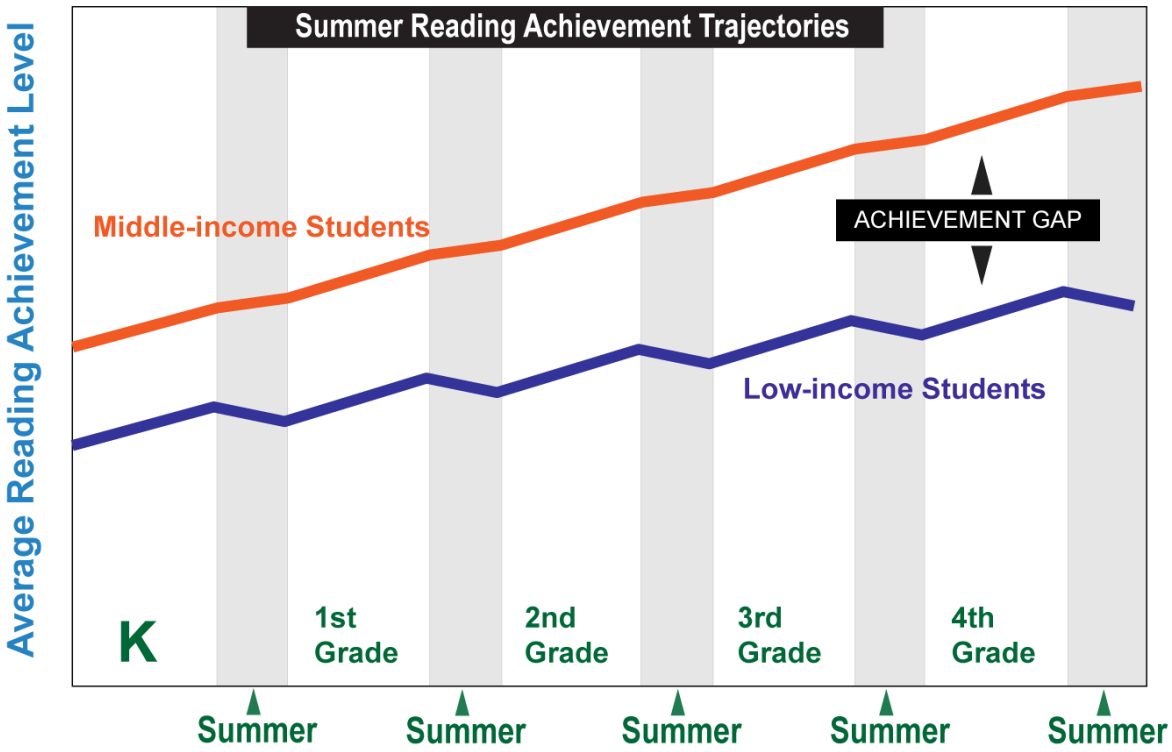
Time for Integration

Break down silos in education and partner leaders and organizations in rare, new ways

Time for Impact

Experiential summer learning is immediate, measurable and lasting. A solvable challenge.

Summer Learning Loss



Source: Adapted from Borman, G.D. (2000). The effects of summer school: Questions answered, questions raised. *Monographs of the Society for Research in Child Development, 65* (1, Serial N. 260).

Summer By the Numbers

1/3 OF HOUSEHOLDS

say that at least one child participates in a summer program.

51% OF FAMILIES

not participating in a summer program say they would if one was available to them.

In 2014, only **ONE IN SIX** youth eligible for the federal Summer Food Service Program received subsidized meals during the summer, leaving millions of dollars in federal funding on the table and many young people to needlessly go hungry when school is not in session.

In the summer of 2014,

3.2 MILLION

young people received a meal through the USDA's programs on an average day.

Of families who pay for summer programs, the average weekly reported cost is

$288 PER CHILD

per week.

Minority children gain weight up to

TWICE AS FAST

during the unstable months of the summer as during the school year.

"Parents will love this book!"
– Liz McChesney

HOW TO KEEP
YOUR KIDS LEARNING

WHEN SCHOOLS ARE CLOSED

TIPS, TOOLS & ACTIVITIES TO HELP PARENTS
DISCOVER THE POWER OF SUMMER LEARNING
DURING THE ERA OF COVID-19

MATTHEW BOULAY, PHD

FROM THE FOUNDER OF THE
NATIONAL SUMMER LEARNING ASSOCIATION

When Schools Are Closed – Table of Content

PART I: Getting Started

- CHAPTER 1. Introduction
- CHAPTER 2. Summer Learning Loss and the Whole Child
- CHAPTER 3. The Nine Principles of At-Home Learning During the Era of Covid-19
- 9 PRINCIPLES

When Schools Are Closed – 9 Principles

- PRINCIPLE #1: **Summer Learning Is Not Summer School**
- PRINCIPLE #2: **Nurture Your "Whole Child"**
- PRINCIPLE #3: **Make Learning Child-Centered and Child-Driven**
- PRINCIPLE #4: **Approach Planning With Wisdom And Love**
- PRINCIPLE #5: **Embrace Structure and Routine**
- PRINCIPLE #6: **Let Math and Science Amaze, Let History Inspire – and Read**
- PRINCIPLE #7: **Help Them Eat and Help Them Sleep**
- PRINCIPLE #8: **Remember Their Social and Emotional Needs**
- PRINCIPLE #9: **And Finally, Parents, Take Time For Yourselves**

When Schools Are Closed – Table of Content

PART II: FORTY DIGITAL LEARNING KITS

- Art
- Staying Active
- Cooking and Eating
- Around the World
- Go Back in Time
- Math
- Reading and Writing
- Songs and Music
- Coding
- Science and Nature
- Sports and Games
- BONUS: Take a Virtual College Tour

When Schools Are Closed – Digital Learning Kits

#27. Learn To Code

Take a Guess:
How many computer programming languages are there in the world?

A) 7 B) 70 C) 700

Just as words are written to create books, code is written to create the programs that run our computers. From the tiny computer that runs your cell phone or tablet to the search engines that we use on the internet to the ATM's that dispense cash to the navigational programs that guide airplanes, computer programming and coding are essential to everything we do. As computers have become more and more central to our lives, the importance of coding has increased dramatically.

Did You Know?

- The number of programming jobs is increasing much faster than most other types of jobs.
- The first modern programming language was called Fortran and was created in the 1950s.
- Almost everything powered with electricity needs to be coded.
- Computers run on binary code, which means that their software is written using only 1s and 0s. Here is a great article for kids about binary code and here is a cool video.
- The first computer programmer was female, named Ada Lovelace.
- Apple's App Store has over 2 million apps.
- Coding is the process of translating and writing codes from one language to another, whereas programming is the process of building an executable program that can be used to carry out proper machine level outputs.

The Experts Say
By learning to code, students increase other skills such as problem-solving, computational thinking, analytical thinking, creative thinking, and teamwork. Reshma Saujani, the Founder and CEO of Girls Who Code, says that, "Coding is the language of the future." In other words, knowing how to code in the future will be as important as knowing how to write is today.

#15. Discover Contemporary Latin America

Take a Guess:
How many cubic miles is the Amazon Rainforest?

A) 500,000 B) 1.3 million C) 2.1 million

Latin America is a continent full of rich history. Civilizations such as the Mayans and the Aztecs once dominated the area, with advanced and sophisticated cultures. Today, contemporary Latin America is full of extraordinary discoveries.

Did You Know?

- While Rio de Janeiro is the most visited city in Brazil, the capital is Brasilia, a city of 2.5 million people.
- The Itaipu Dam in Paraguay is the second largest hydroelectric dam in the world, supplying 75% of Paraguay and 17% of Brazil's electricity. You can find information on it here.
- Hundreds of languages are spoken in Latin America, including Spanish, Portuguese, English and many indigenous languages.
- La Paz, the capital of Bolivia, has the highest elevation of any world capital with a height of 11,942 feet. Take a virtual visit to Bolivia here and here.

Start Here
Want to go on a South American adventure? Here is a great site with dozens of kid friendly activities.

Latin America has some of the most amazing contemporary architecture in the world. Take a look at the buildings in these images.

Like cities? Here are 13 cities in South America that are worth a visit.

Latin American Artists of the Twentieth Century is a wonderful exhibit at the Museum of Modern Art. Take a look at photos of this world famous art.

One Simple Activity
One of the world's biggest parties is Carnival. Millions of Brazilians celebrate for over two months. Here is a fun video for kids.

Latin cuisine is delicious! Here are 9 authentic South American recipes, as well as some recipes you can make at home.

Contemporary Latin music is listened to worldwide. Here's a YouTube playlist with some of the hottest Latin music.

PAIRING STEAM WITH STORIES

Liz McChesney, LMcC Consulting, LLC

Brett Nicholas, Du Page Children's Museum

MUSEUMS AND LIBRARIES IN SUMMER 2020

STEAM LEARNING AND WHY IT *STILL* MATTERS

- Critical 21st Century Skills
- Building science literate youth
- Creating informed voters
- Develop the skills and attributes of a successful workforce
- …It's fun!

EQUITY IN STEM: THE LEAKY PIPELINE

- Children in poverty/children in non-dominant communities are often left behind in STEM education: formal and informal
- Cultural, ethnic and gender diversity are all linked to higher innovation outcomes
- Ethnically diverse workforces financially outperform non-diverse workforces by 35%
- Gender diversity in the workforce yields a 15% increase in financial out

--McKinseyReport

Elizabeth M. McChesney and the Chicago Public Library
Brett T. Nicholas and the Museum of Science and Industry
PAIRING
STEAM
WITH STORIES
46 Hands-On Activities for Children

STEAM IN THE TIME OF COVID

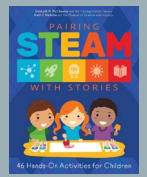
Take & Go Kits

Zoom Science Clubs

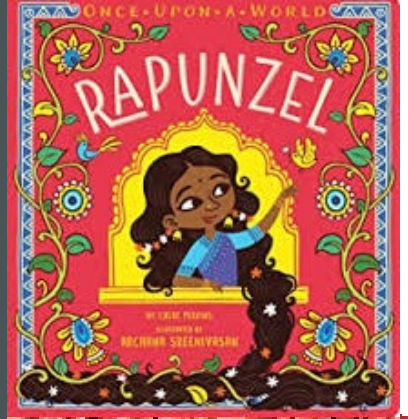
“STEM Pals” Programs

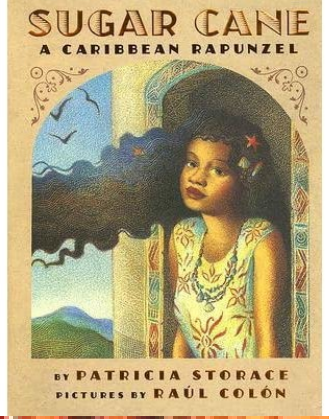
Build science into every day

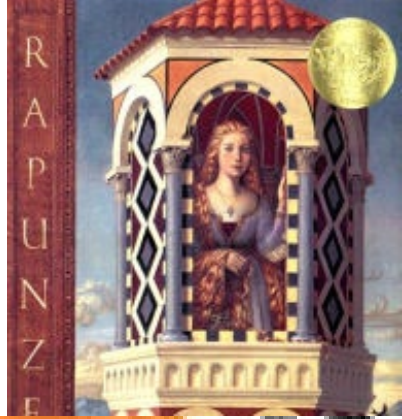
Design challenges based on children’s books

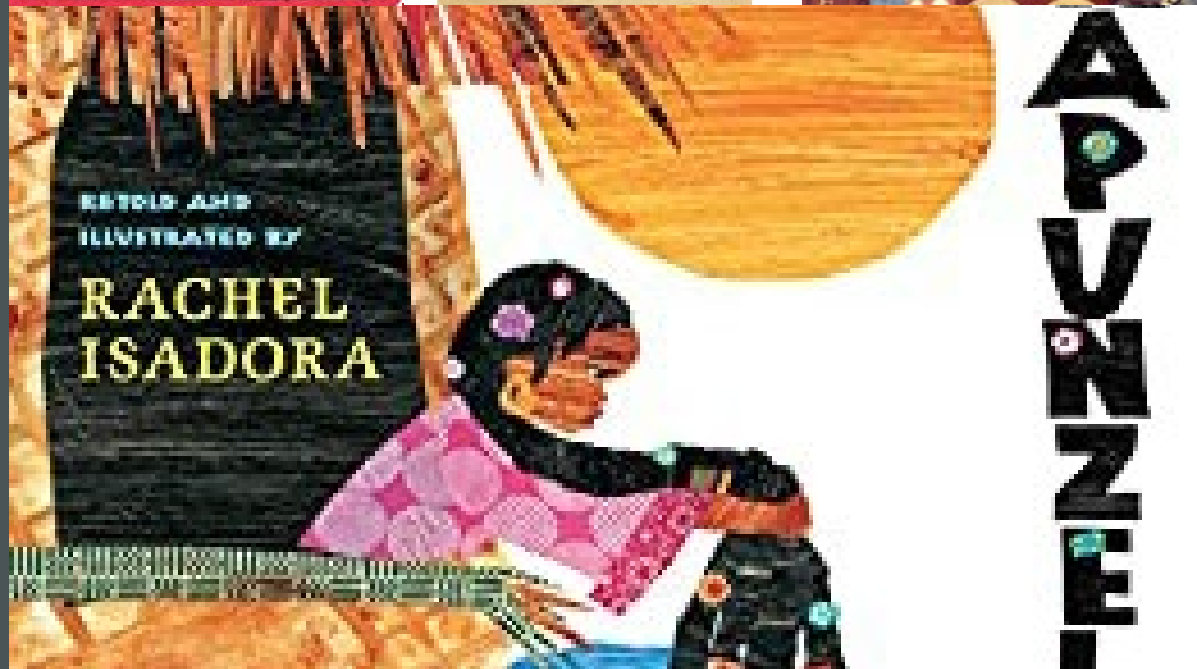


RAPUNZEL, RAPUNZEL: HOLD ON A MINUTE…



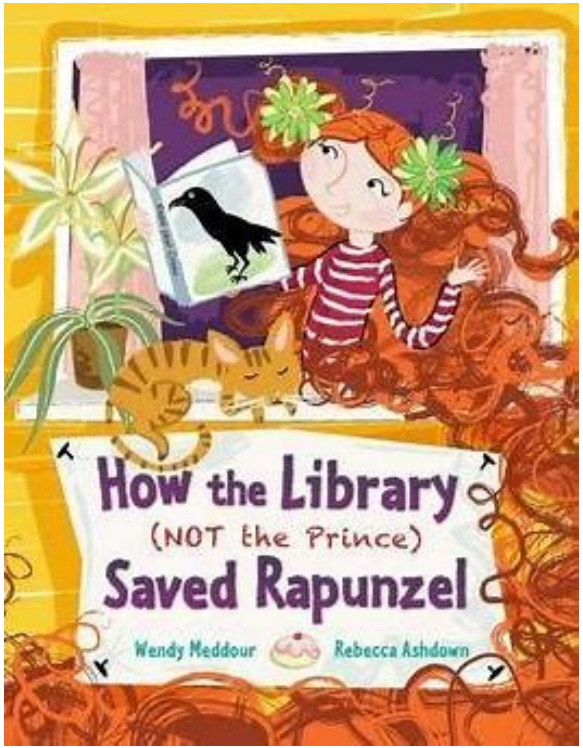






RAPUNZEL DESIGN CHALLENGE

So Rapunzel made a plan.
She worked on it secretly
every day.
And with the help of a new
friend she had made in
the forest, she was always
safely back in the tower
before the witch came.


How the Library
(NOT the Prince)
Saved Rapunzel
Wendy Meddour
Rebecca Ashdown

PAIRING
STEAM
WITH STORIES
46 Hands-On Activities for Children

THANK YOU & HAVE A STEAM-FILLED SUMMER!

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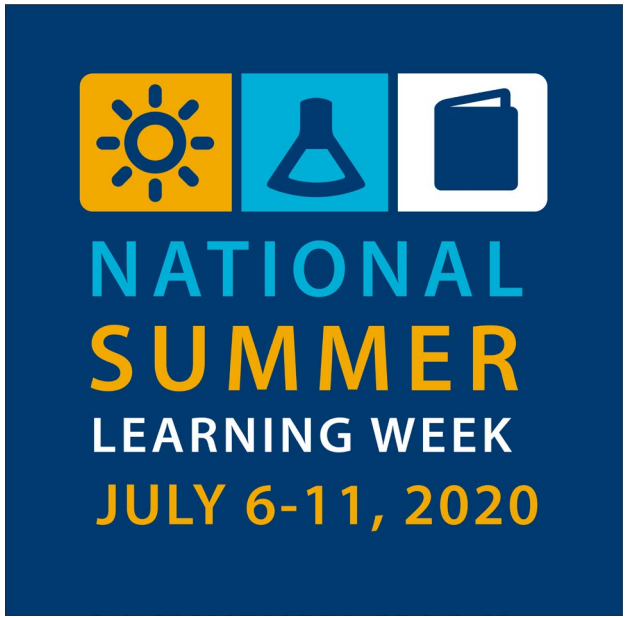
National Summer Learning Week



National Summer Learning Week is a national advocacy day aimed at elevating the importance of keeping kids learning, safe and healthy every summer – all so students return to school ready to soar!

www.summerlearning.org/summer-learning-week

FOLLOW US

Find NSLA on social media to keep updated on
#summerlearning

@SummerLearning

@SmarterSummers

Join our Community!

https://www.summerlearning.org/join-our-list/

Thank You!

summerlearning.org

national summer learning association

NRS