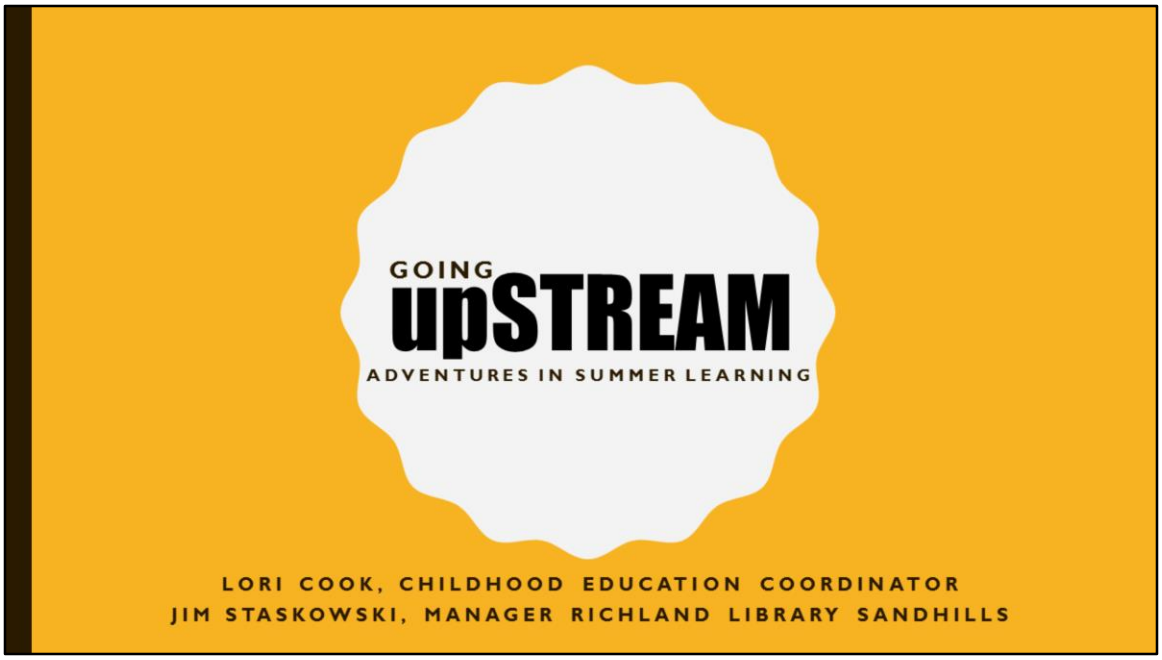
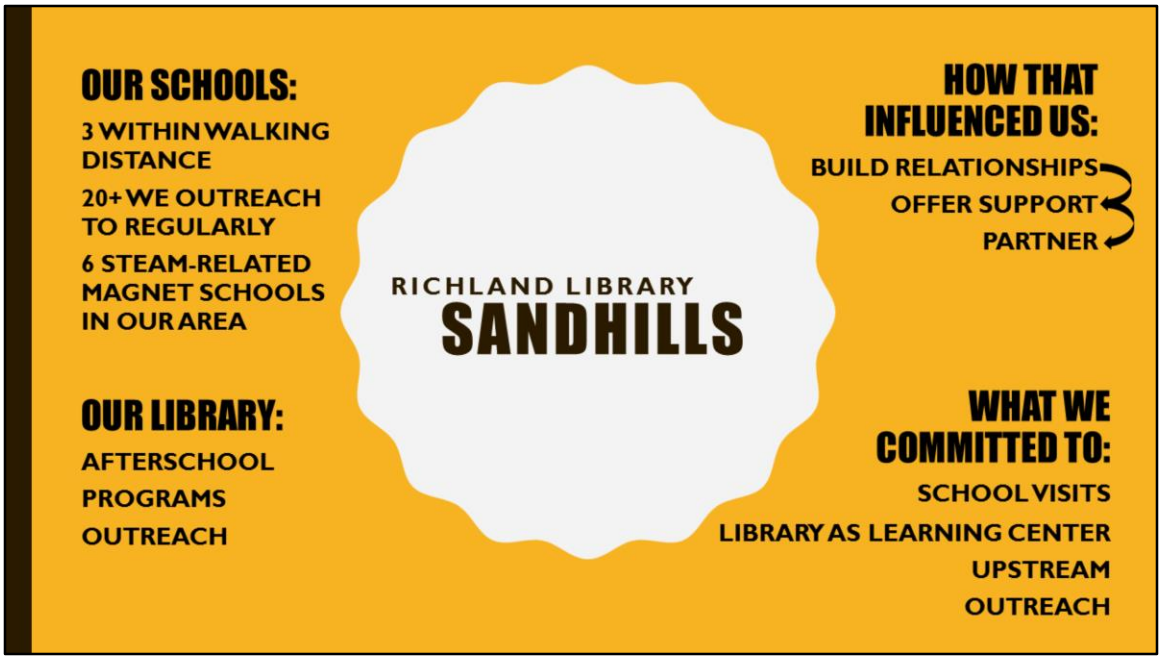

GOING
upSTREAM
ADVENTURES IN SUMMER LEARNING
LORI COOK, CHILDHOOD EDUCATION COORDINATOR
JIM STASKOWSKI, MANAGER RICHLAND LIBRARY SANDHILLS

Going upSTREAM!
Adventures in Summer Learning

Learn how one library location focused summer learning for children, tweens, teens and families to reduce the effects of summer slide through experiences in **S**cience, **T**echnology, **R**eading, **E**ngineering, **A**rt, and **M**ath – all with limited staff and funds.

- Library as Learning Center
- Partners: Inside and Outside the Library
- STEAMy programs



A BRIEF INTRODUCTION TO SANDHILLS

Where we are | Who we serve

How that influenced us

1. **Let's Build Relationships**

Teachers: make it easy for them to access our resources
Media specialists: make it easy for outreach, joint ventures at the library
Principals: what do they need?

2. **Find Concrete Ways to Offer Support**

Professional Development: make sure teachers understand what we offer so they can share with students and parents
Outreach events: promote what we can do and share our commitment to be partners in education
School Improvement Counsel: be part of the conversation; be there when the ideas emerge; learn what schools are concerned about

3. **Find Concrete Ways to Partner**

R2S: what can we do to support the camps taking place near us?
RTI and Reading/Literacy Coaches: what do they wish families had access to during the summer?
Parent educators: attend parent workshops, allow a library visit to count towards parent contribution
Provide Out-of-School Experiences that combat the effects of Summer Slide

What we Decided:

I. Invite Summer School Players to make regular library visits (not exact intended audience – RTI/R2S students – but confident there was overlap)

II. Commit to becoming a Library as Learning Center (self-guided learning for all ages)

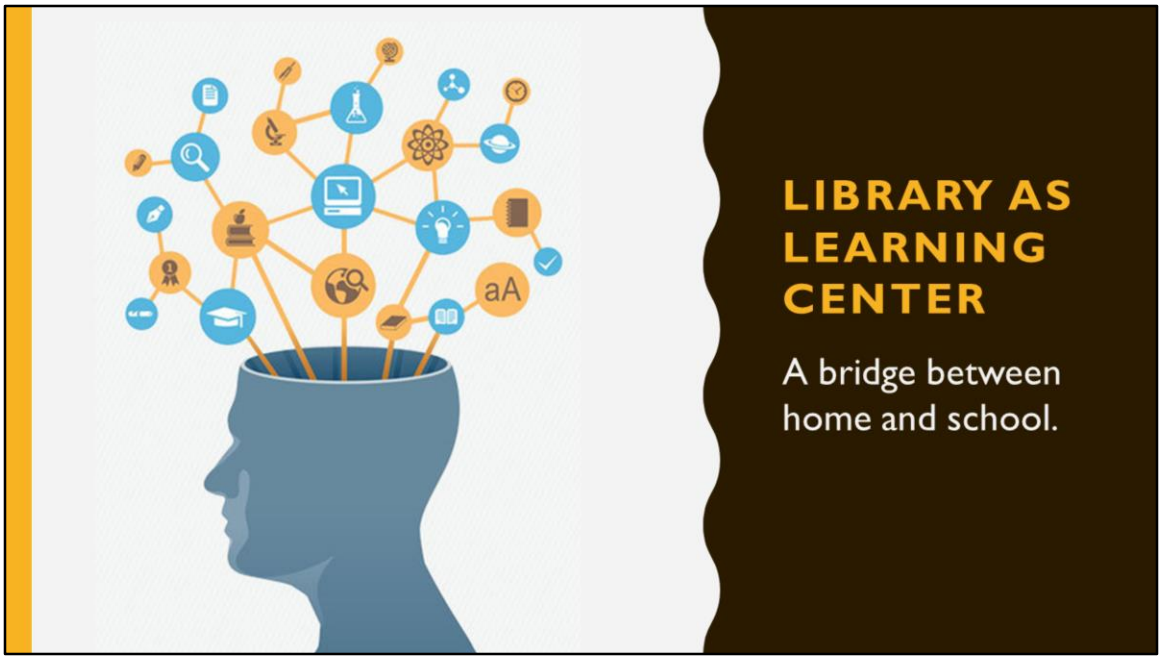
Provide Print Reading and Parenting Resources with a focus on reading activities created with input from literacy coach
Provide Self-Guided Learning Opportunities including Look & Learn Scavenger Hunts, Learning Stations with Guide, Games/Learning Toys

III. Create upSTREAM: All programs related and labelled as STREAM

IV. Promote through Outreach: commit the staffing and time to see as many as schools as possible

I. WE COMMITTED TO HAVING OUR NEIGHBORING SCHOOL VISIT WEEKLY

60-100 1st-5th grade students; 10-1130am on Thursdays; 6 times
Sent outreach cards home with students
Waived fines
If we couldn't check-out anything to a student, found weeded books to send with students to return on next visit
Provided an activity or experience in addition to storytime
At the end of the summer, conducted an Awards program with medals, Pomp & Circumstance, prizes to take home



II. WE COMMITTED TO THE IDEA OF LIBRARY AS LEARNING CENTER

It's Who We Are! Considering where we are and who are customers are and where we are headed, this is not such a stretch.

It's a Little Bit of Everything! Books play a critical role in supporting learning; reading is a most effective learning activity – especially during the summer. However, because everyone learns differently, the library can offer additional pathways to the construction and consumption of learning.

We're already doing it! Libraries have always been involved in learning – from scrolls to eReaders, from storytime to Makerspaces – it's always been about learning. Our commitment was just to intentionally expand our efforts and build a framework, BRAND it, put a name on it, educate customers about it.

We have to! The students of tomorrow need more – more opportunities to learn, different learning environments, high-quality out-of-school experiences, access to more, creative and fun learning.

From www.SCcompetes.or/TransformSC
South Carolina's graduation rates have risen from 60% to 77.5%.
1 in 4 South Carolina Students fail to graduate.
41% of graduates entering technical colleges require remediation.

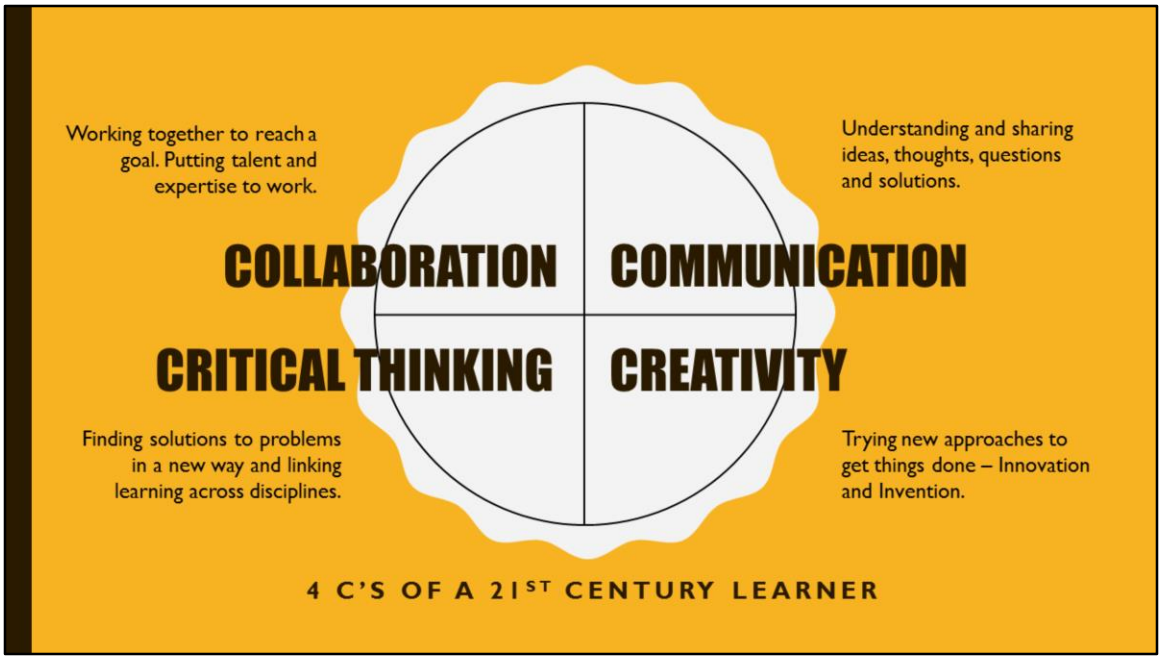
Profile of the South Carolina Graduate
World Class Knowledge
•Rigorous standards in language arts and math for career and college readiness
•Multiple languages, science, technology, engineering, mathematics (STEM), arts and social sciences

World Class Skills
•Creativity and innovation
•Critical thinking and problem solving
•Collaboration and teamwork
•Communication, information, media and technology

•Knowing how to learn

Life and Career Characteristics
•Integrity
•Self-direction
•Global perspective
•Perseverance
•Work ethic
•Interpersonal skills

The New Learning Model
•**Personalized** – match to the student, not one size fits all.
•**Teacher as facilitator, not lecturer** - Students are held accountable for their own learning.
•**Pace to the Individual Student** – Students progress after mastering concepts.
•**Technology enabled** – Anytime, anywhere learning with technology integrated into the curriculum.
•**Evidence based** – new testing system that provides real-time, useful information to aid learning.
•**Effective partnerships** with parents, families and communities.



21st Century Skills are a set of academic building blocks—abilities and ways of thinking—that can help kids thrive as 21st century citizens.

From Valerie Gross:
What are libraries in this movement doing differently? They are repositioning themselves as educational institutions, just as important as schools, colleges, and universities. As a result, their inherent value is no longer questioned. No one looks at them anymore with a puzzled expression, asking, “Tell me again what you do?” Instead, the library systems enjoy *heightened respect* in their communities and *optimal funding*.

We deliver high-quality public education for all through a curriculum that comprises three pillars: Self-Directed Education, Research Assistance & Instruction, and Instructive & Enlightening Experiences.

We design and deliver a world-class curriculum for the benefit of everyone our diverse community.
We are a vital educational institution.
We are partners in education.
We are education.
We deliver equal opportunity in education.
We deliver high-quality public education for all ages.

We provide equal access to world-class education for all.

Line of work? Education.

Self-Directed Education through vast collections of items in print, audio and electronic formats; and thousands of specialized online research tools (e.g., *Wall Street Journal* and *Access Science*).
Research Assistance & Instruction for individuals and groups. This pillar includes classes, seminars and workshops for all ages, taught by library instructors.
Instructive & Enlightening Experiences through cultural and community center concepts, events, and partnerships.

"Libraries = Education means asserting the role of libraries as key components of the educational enterprise. For public libraries, it means we are educational institutions in our own right, on an equal footing with K–12 schools, colleges, and universities. We're central to success for students, faculty, and staff. [We realize this vision with a 3-pronged approach]

The first prong is to position the staff as a team of educators who see themselves as delivering a curriculum.

The second prong is positioning everything we do under **three pillars of education**:
The first pillar is **"self-directed education."** Everything we do to provide access to knowledge is supporting self-directed education.
The second pillar is **"research assistance and instruction."** It's delivering personalized research guidance and delivering classes, seminars, and workshops.
The third pillar is **"instructive and enlightening experiences."** It means building community and partnerships—bringing people together for education and discussion.

The last prong is subscribing to strong, **powerful language** that speaks for itself. It's trading our traditional words with a new, intuitive vocabulary that you don't have to explain.

Changing the language only works when you have the extraordinary services to back up your words. You have to be effective and accountable and efficient—your words have to be credible. You have to convey that the library is a wise investment. For example (using traditional language for a moment), if a "children's librarian" is "doing a storytime," it addresses important developmental goals. Changing the language is easy because the performance is already in place. If it's just a subpar story, then calling the librarian an "instructor" and the event a "children's class" isn't going to work. But many good public libraries are already offering extraordinary children's

classes, and all they have to do is use the appropriate language so that they get credit for it."

http://newsbreaks.infotoday.com/NewsBreaks/Libraries--Education-An-Interview-With-Valerie-Gross-112392.asp

GOING
upSTREAM
ADVENTURES IN SUMMER LEARNING

III. WE COMMITTED TO THE CONCEPT OF UPSTREAM

In response to teachers and parents, we tried something new this summer. Everything we did for students age 0-18+ encouraged learning, creating, and sharing with experiences in STREAM. And, we didn't just DO the programs, we BRANDED, PROMOTED, and FULLY IMMERSED our staff, building, storytimes in this idea.

Why upSTREAM? Think of a canoe in a river. If you're not rowing upSTREAM towards your goal (a successful school year; learning to read; strengthening math skills, etc.), the current will cause you to drift farther and farther from achieving success. We want to assist students and families to go upSTREAM! Think of the library as the bridge between home and school!

Learning Centers: On the end of most end caps, we created learning activities for young to older children including colors, numbers, life cycles, and geometry.

Look & Learn Scavenger Hunts: We provided 4 scavenger hunts to encourage letter and number recognition, life cycle of butterflies, and zoo animals. The scavenger hunt

lists included information, learning at home suggestions and book recommendations for these subjects.

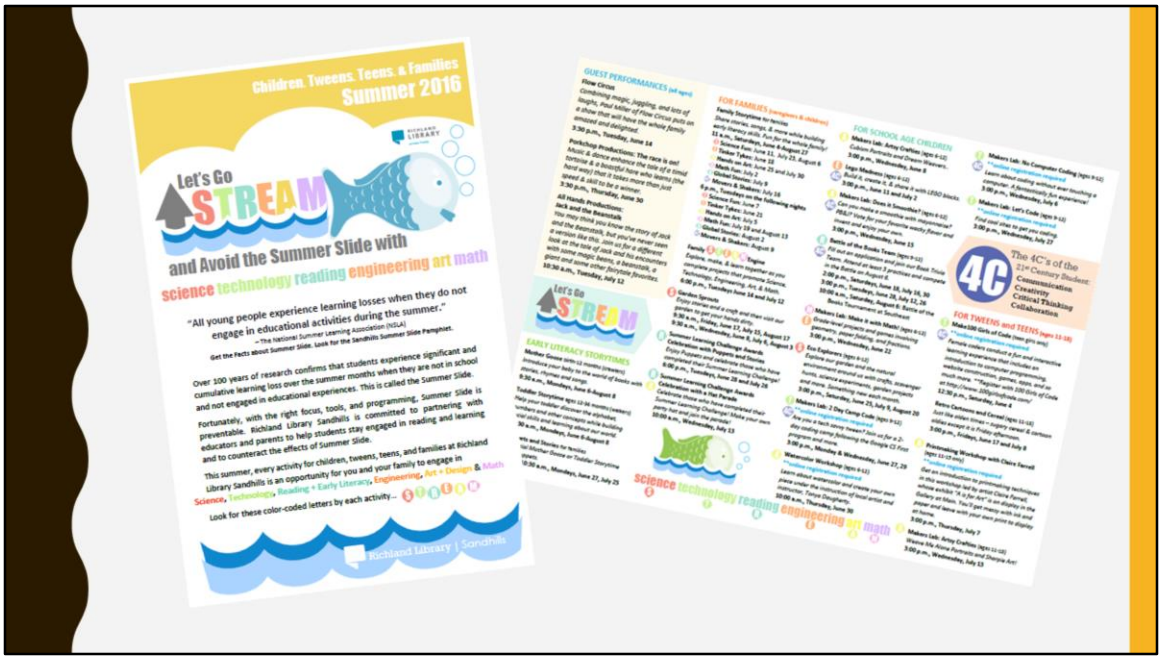
Reading Station: We provided reading recommendations and literacy activities to encourage basic reading skills such as comprehension as well as math and writing activities and/or resources.

Parent Resources: We provided information on legal, health, literacy and emergency services, how to reduce the effects of Summer Slide, and other important material for encouraging health and STREAM at home.

Branded Programs: Every program had one or more indicators that identified the program as STREAM or 4Cs.

Summer Learning Station: We created an easily identifiable themed table for families to sign-up for the Summer Learning Challenge and receive awards as well as to pick up Look & Learns, Learning Center Guides, and Event Flyers. We committed to scheduling someone there at all times. This staff member also helped maintain displays, learning centers, parent and reading resources

Lesson Plans and Handouts for some Programs/Storytimes: To ensure we were providing quality out-of-school experiences, we developed lesson plans or half-sheet handouts for many of programs that described how to complete a certain activity or support that activity at home. This helped focus staff planning the programs as well as provide a take-home to extend the experience from the library into the home.


Children, Tweens, Teens, & Families
Summer 2016
Let's Go STREAM
and Avoid the Summer Slide with
science technology reading engineering art math
"All young people experience learning losses when they do not engage in educational activities during the summer."
– The National Summer Learning Association (NSLA)
Get the Facts about Summer Slide. Look for the Sandhills Summer Slide Pamphlet.
Over 100 years of research confirms that students experience significant and cumulative learning loss over the summer months when they are not in school and not engaged in educational experiences. This is called the Summer Slide.
Fortunately, with the right focus, tools, and programming, Summer Slide is preventable. Richland Library Sandhills is committed to partnering with educators and parents to help students stay engaged in reading and learning and to counteract the effects of Summer Slide.
This summer, every activity for children, tweens, teens, and families at Richland Library Sandhills is an opportunity for you and your family to engage in Science, Technology, Reading + Early Literacy, Engineering, Art + Design & Math.
Look for these color-coded letters by each activity...
Richland Library | Sandhills
GUEST PERFORMANCES
FOR FAMILIES
FOR SCHOOL AGE CHILDREN
EARLY LITERACY STORYTIMES
4C
The 4C's of the 21st Century Student:
Communication
Creativity
Critical Thinking
Collaboration
FOR TWEENS and TEENS
science technology reading engineering art math

IV. WE COMMITTED TO AN OUTREACH PLAN

Plan and Commit:

- **Changed our priorities:** phone, bookdrop,
- **Allowed for sacrifices:** short-staff, stretched schedule, said no to other events
- **Used Volunteers to Free Up Staff:** holds, bookdrop, or shelving

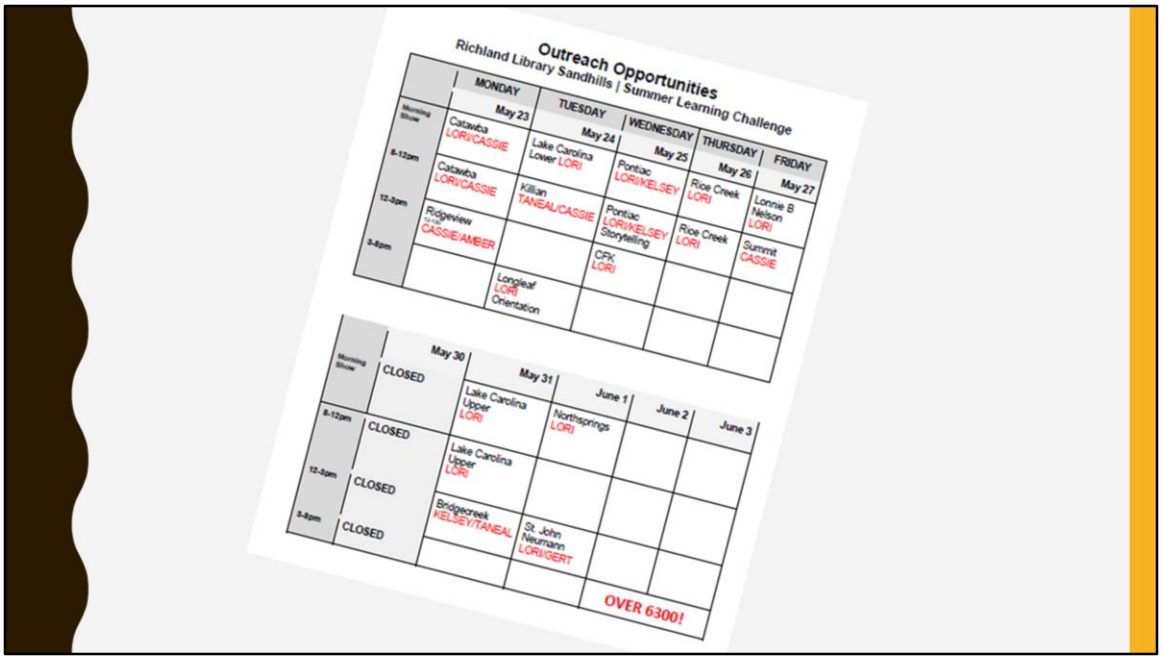
We Made it Easy for Schools:

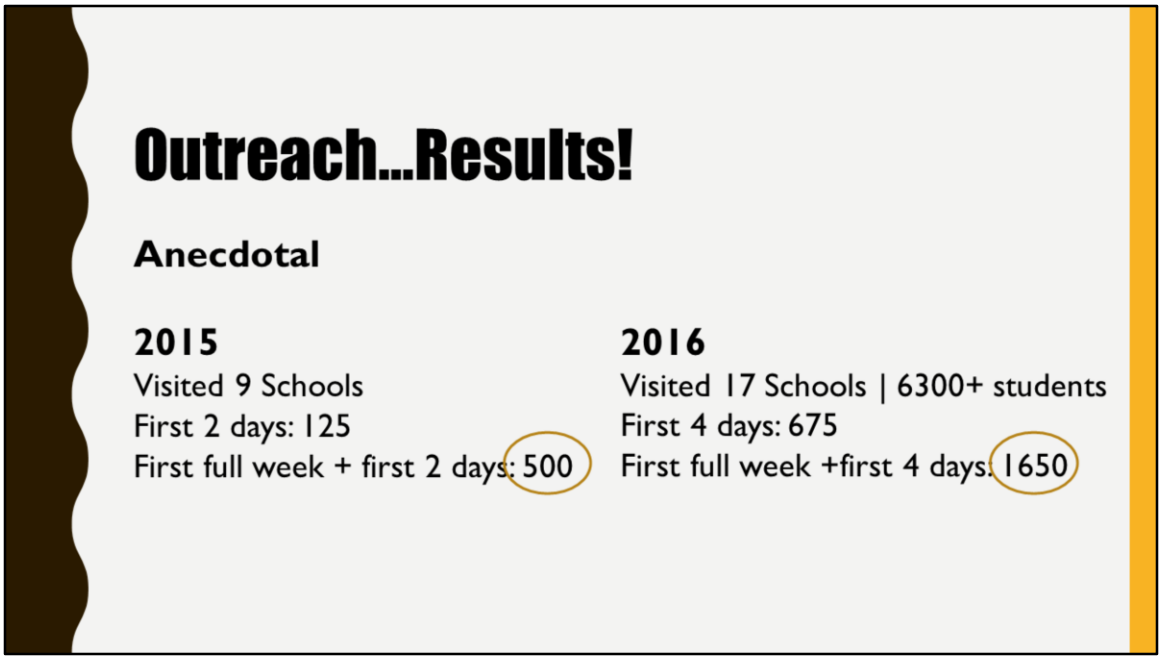
- Created Google Doc with Table
- Sent an Invitation
- Allowed Schools to Availability
- 4 Options:
  - Morning Show
  - 3 Hours in Morning
  - 3 Hours in Afternoon
  - Evening Event
- Visits Could Include
  - Class Visits (either us to them or them to us in the library)
  - Promote upSTREAM

Promote Summer Learning Challenge Prizes
Tell a Story, Song, or Joke

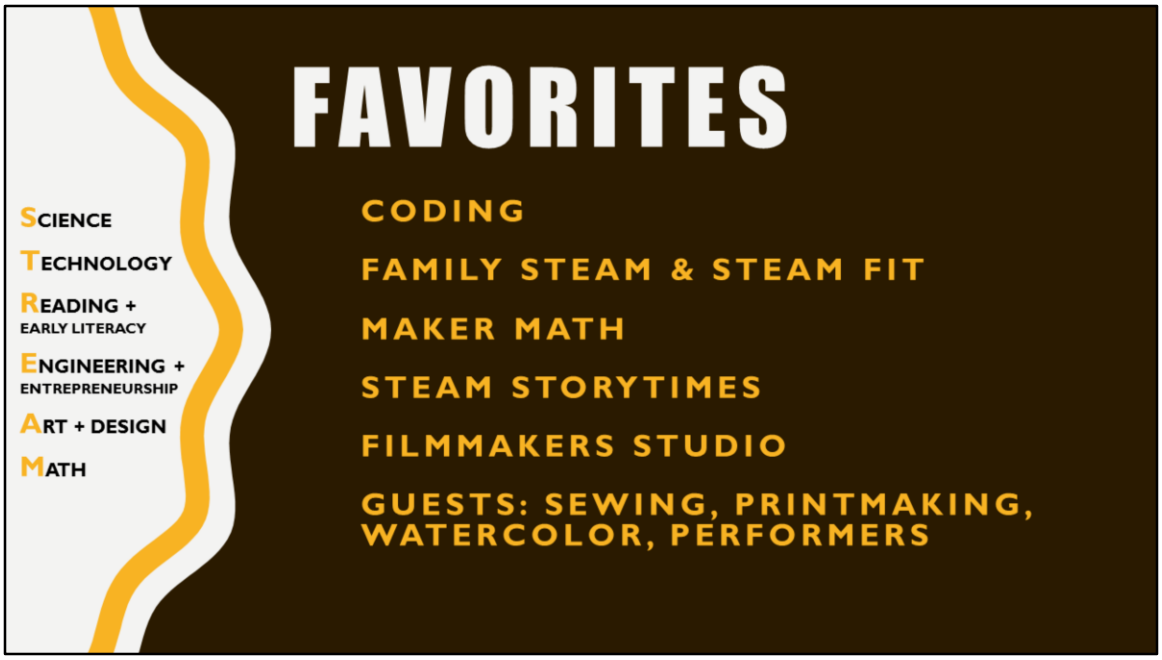
Good for Students
Quality content (stories, awards, enthusiasm)
Recognize staff when visit the library

Good for Staff
Trained how to do it well – professional development
Become better library ambassadors
Enjoy being recognized by customers/students/families in and out of the library
Increases understanding of partnership with schools to support education
Creates Staff Engagement and Buy-In

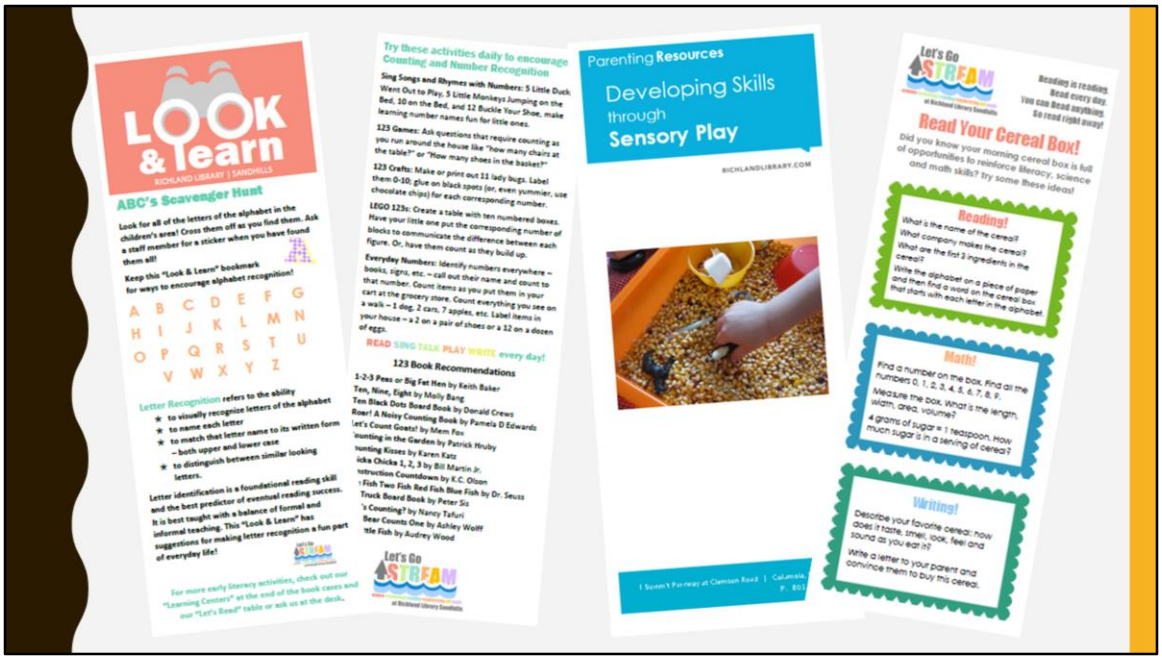

Outreach Opportunities
Richland Library Sandhills | Summer Learning Challenge
MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
May 23
May 24
May 25
May 26
May 27
Morning Show
8-12pm
12-3pm
3-6pm
Catawba LORI/CASSIE
Catawba LORI/CASSIE
Ridgeview 10:15a CASSIE/AMBER
Lake Carolina Lower LORI
Killian TANEAL/CASSIE
Longleaf LORI Orientation
Pontiac LORI/KELSEY
Pontiac LORI/KELSEY Storytelling
CPK LORI
Rice Creek LORI
Rice Creek LORI
Lonnie B Nelson LORI
Summit CASSIE
May 30
May 31
June 1
June 2
June 3
CLOSED
CLOSED
CLOSED
CLOSED
Lake Carolina Upper LORI
Lake Carolina Upper LORI
Bridgecreek KELSEY/TANEAL
Northsprings LORI
St. John Neumann LORI/GERT
OVER 6300!



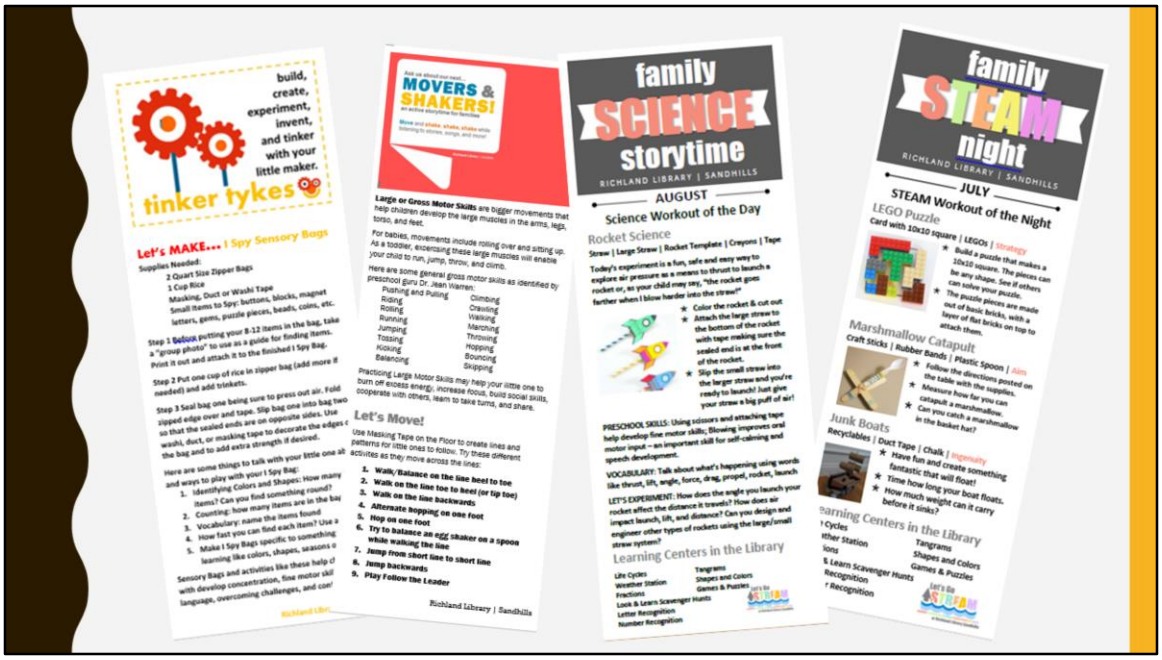
Anecdotal evidence of effectiveness: people coming into library who recognize staff, share the stories or jokes they heard, say they came to sign-up for the Summer Learning Challenge. Staff felt more equipped to answer questions and support students.

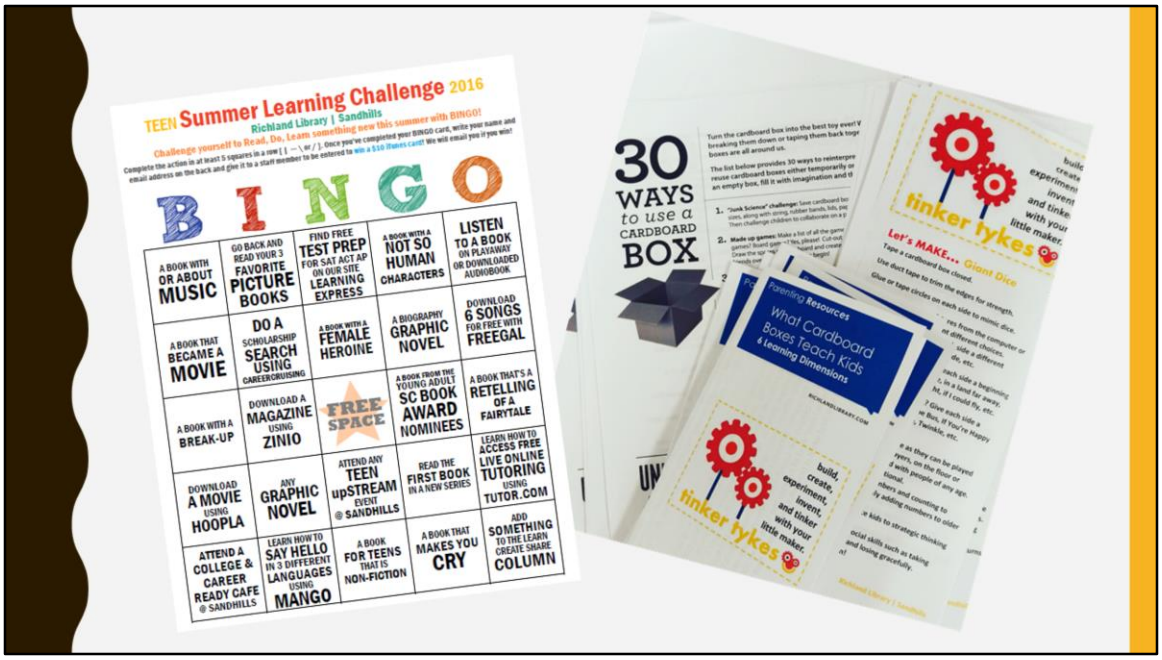

SCIENCE
TECHNOLOGY
READING +
EARLY LITERACY
ENGINEERING +
ENTREPRENEURSHIP
ART + DESIGN
MATH
FAVORITES
CODING
FAMILY STEAM & STEAM FIT
MAKER MATH
STEAM STORYTIMES
FILMMAKERS STUDIO
GUESTS: SEWING, PRINTMAKING, WATERCOLOR, PERFORMERS

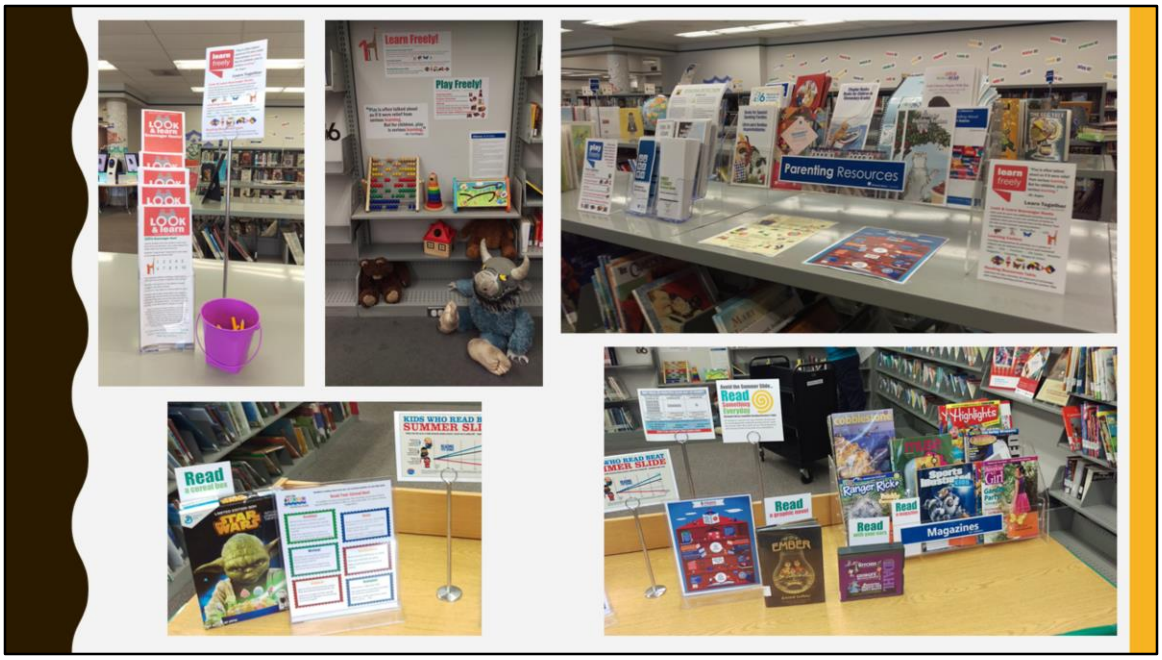
Letters
Picture Books
Ice Cream Counting
Fractions
Numbers
Picture Books
Shapes & Colors
circle
square
triangle
rectangle
oval
Chapter Books
Life Cycles
The Cycle of a
BUTTERFLY
FROG
Tangrams
Ages 4 & Up
Picture Books
C – H
A – C
How's the Weather?
MY WEATHER STATION
COOL
WINDY
TODAY
CLEAR
HOT
SUNNY
WARM
FOGGY
BREEZY
STORMY
CLOUDY
DRIZZLING
DRY
HUMID
TEMPERATURE
HOT
WARM
MILD
COOL
COLD


LOOK & Learn
RICHLAND LIBRARY | SANDHILLS
ABC's Scavenger Hunt
Look for all of the letters of the alphabet in the children's area! Cross them off as you find them. Ask a staff member for a sticker when you have found them all!
Keep this "Look & Learn" bookmark for ways to encourage alphabet recognition!
A B C D E F G
H I J K L M N
O P Q R S T U
V W X Y Z
Letter Recognition refers to the ability
to visually recognize letters of the alphabet
to name each letter
to match that letter name to its written form – both upper and lower case
to distinguish between similar looking letters.
Letter identification is a foundational reading skill and the best predictor of eventual reading success. It is best taught with a balance of formal and informal teaching. This "Look & Learn" has suggestions for making letter recognition a fun part of everyday life!
For more early literacy activities, check out our "Learning Centers" at the end of the book cases and our "Let's Read" table or ask us at the desk.
Try these activities daily to encourage Counting and Number Recognition
Sing Songs and Rhymes with Numbers: 5 Little Duck Went Out to Play, 5 Little Monkeys Jumping on the Bed, 10 on the Bed, and 12 Buckle Your Shoe, make learning number names fun for little ones.
123 Games: Ask questions that require counting as you run around the house like "how many chairs at the table?" or "How many shoes in the basket?"
123 Crafts: Make or print out 11 lady bugs. Label them 0-10; glue on black spots (or, even yummier, use chocolate chips) for each corresponding number.
LEGO 123s: Create a table with ten numbered boxes. Have your little one put the corresponding number of blocks to communicate the difference between each figure. Or, have them count as they build up.
Everyday Numbers: Identify numbers everywhere – books, signs, etc. – call out their name and count to that number. Count items as you put them in your cart at the grocery store. Count everything you see on a walk – 1 dog, 2 cars, 7 apples, etc. Label items in your house – a 2 on a pair of shoes or a 12 on a dozen of eggs.
READ SING TALK PLAY WRITE every day!
123 Book Recommendations
1-2-3 Peas or Big Fat Hen by Keith Baker
Ten, Nine, Eight by Molly Bang
Ten Black Dots Board Book by Donald Crews
Roar! A Noisy Counting Book by Pamela D Edwards
Let's Count Goats! by Mem Fox
ounting in the Garden by Patrick Hruby
unting Kisses by Karen Katz
icka Chicka 1, 2, 3 by Bill Martin Jr.
struction Countdown by K.C. Olson
Fish Two Fish Red Fish Blue Fish by Dr. Seuss
Truck Board Book by Peter Sis
Counting? by Nancy Tafuri
Bear Counts One by Ashley Wolff
tle Fish by Audrey Wood
Parenting Resources
Developing Skills through Sensory Play
RICHLANDLIBRARY.COM
Let's Go STREAM
Reading is reading. Read every day. You can Read anything. So read right away!
Read Your Cereal Box!
Did you know your morning cereal box is full of opportunities to reinforce literacy, science and math skills? Try some these ideas!
Reading!
What is the name of the cereal?
What company makes the cereal?
What are the first 3 ingredients in the cereal?
Write the alphabet on a piece of paper and then find a word on the cereal box that starts with each letter in the alphabet.
Math!
Find a number on the box. Find all the numbers 0, 1, 2, 3, 4, 5, 6, 7, 8, 9.
Measure the box. What is the length, width, area, volume?
4 grams of sugar = 1 teaspoon. How much sugar is in a serving of cereal?
Writing!
Describe your favorite cereal: how does it taste, smell, look, feel and sound as you eat it?
Write a letter to your parent and convince them to buy this cereal.

learn freely
"Play is often talked about as if it were relief from serious learning. But for children, play is serious learning."
-Mr. Rogers
Learn Together
at RICHLAND LIBRARY | SANDHILLS
Look & Learn Scavenger Hunts
Each Look & Learn has additional activities and book recommendations so you can continue at home to reinforce what you've learned here at the library! Find the lists at the Summer Learning Station!
Zoo Animals | ABCs | Butterflies | 123s
Learning Centers
Learning manipulatives & activities on a variety of subjects can be enjoyed at the end of each bookshelf
ABCs | 123s | Fractions | Life Cycles | Weather
Tangrams | Counting | Shapes & Colors
Reading Resources Table
Look here for tips, activities, & resources to encourage daily reading & learning and let's avoid the summer slide
Here are some suggested activities for each Learning Center!
Letter Recognition
As your little one plays with magnetic foam letters, consider some of these fun ideas to reinforce letter recognition and phonemic awareness. Check out our Parent Resources for more tips for encouraging and fostering a love of reading.
★ Play a game of "Match the Letter." Can you find two that are alike? Can you match the upper case to the lower case?
★ Talk about the sounds letters make.
★ Can you spell any small words?
Number Recognition
As your little one plays with magnetic foam numbers, try these fun ideas to reinforce number recognition and counting. Check out our Parent Resources for more tips on encouraging math skills.
★ Say the names of the numbers
★ Put the numbers in order
★ Clap for the value of each number
★ Can you make any math equations with the numbers present?
Fractions
Experience simple fractions visually with these magnetic fraction wheels and bars. Check out our upSTREAM programs this summer for more Math Fun!
★ Find Equivalent Fractions: which fractions add up to 1 whole evenly?
★ Can you name the fractions? Whole, Halves, Thirds, Fourths
★ What's more, one fourth or one third?
Let's say you're having pizza for dinner but then friends show up to eat. If everyone is having equal slices of one whole pizza, what part (or fraction) of the whole pizza will 2 people eat? 3 people?
Ice Cream Counting
Each magnetic cone has a number written on it and a corresponding ice cream scoop with the same amount of sprinkles. Help your little ones match the number with the correct amount of sprinkles by counting the sprinkles out loud. Check out our Parent Resources for more tips on encouraging math skills.
★ One-to-One Correspondence is the matching up of a verbal or written number with an object. When a child has mastered one-to-one correspondence, she will be able to touch objects as he counts them.
Shapes & Colors
Learning that shapes have names is a building block to recognizing that letters have names and sounds! Learning our shapes and colors is fundamental for kindergarten success!
★ Say the names of the shapes
★ Say the names of the colors
★ Sort by shape
★ Sort by color
★ Point to the sides of each shape and count
What's the Weather?
Please assist your little ones as you observe and identify the weather at this "What's the Weather?" learning center.
★ Ask Questions: What is the weather today? How does it feel outside? Is it hot or cold? What can you see in the sky? Do we need a hat? Can we do the same things when it rains?
★ Talk about what clothes to wear in certain types of weather (rain: umbrella, boots, etc.)
★ Use the accurate and detailed weather vocabulary provided
★ Sing songs and rhymes about weather like "Rain, Rain, Go Away" and "Itsy Bitsy Spider"
★ Download a weather app and investigate radar

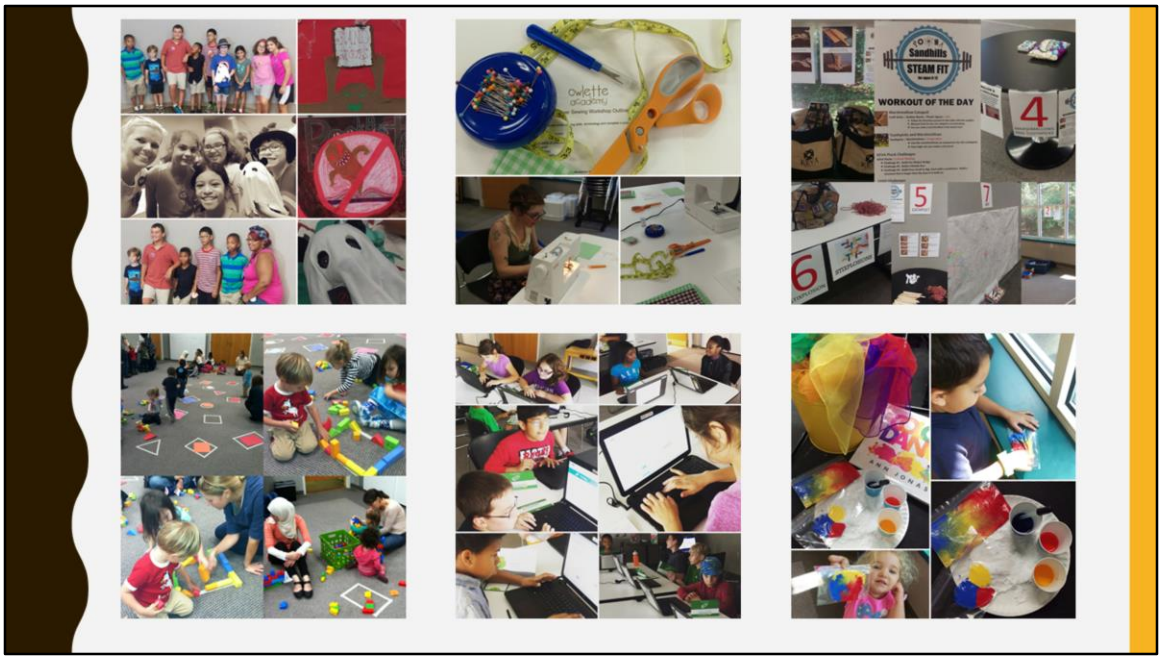

build, create, experiment, invent, and tinker with your little maker.
tinker tykes
Let's MAKE... I Spy Sensory Bags
MOVERS & SHAKERS!
family SCIENCE storytime
RICHLAND LIBRARY | SANDHILLS
AUGUST
Science Workout of the Day
Rocket Science
family STEAM night
RICHLAND LIBRARY | SANDHILLS
JULY
STEAM Workout of the Night
LEGO Puzzle
Marshmallow Catapult
Junk Boats
Learning Centers in the Library
Let's Move!


TEEN Summer Learning Challenge 2016
Richland Library | Sandhills
Challenge yourself to Read, Do, Learn something new this summer with BINGO!
Complete the action in at least 5 squares in a row [| — \ or /]. Once you've completed your BINGO card, write your name and email address on the back and give it to a staff member to be entered to win a $10 iTunes card! We will email you if you win!
B I N G O
A BOOK WITH OR ABOUT MUSIC
GO BACK AND READ YOUR 3 FAVORITE PICTURE BOOKS
FIND FREE TEST PREP FOR SAT ACT AP ON OUR SITE LEARNING EXPRESS
A BOOK WITH A NOT SO HUMAN CHARACTERS
LISTEN TO A BOOK ON PLAYAWAY OR DOWNLOADED AUDIOBOOK
A BOOK THAT BECAME A MOVIE
DO A SCHOLARSHIP SEARCH USING CAREERCRUISING
A BOOK WITH A FEMALE HEROINE
A BIOGRAPHY GRAPHIC NOVEL
DOWNLOAD 6 SONGS FOR FREE WITH FREEGAL
A BOOK WITH A BREAK-UP
DOWNLOAD A MAGAZINE USING ZINIO
FREE SPACE
A BOOK FROM THE YOUNG ADULT SC BOOK AWARD NOMINEES
A BOOK THAT'S A RETELLING OF A FAIRYTALE
DOWNLOAD A MOVIE USING HOOPLA
ANY GRAPHIC NOVEL
ATTEND ANY TEEN upSTREAM EVENT @ SANDHILLS
READ THE FIRST BOOK IN A NEW SERIES
LEARN HOW TO ACCESS FREE LIVE ONLINE TUTORING USING TUTOR.COM
ATTEND A COLLEGE & CAREER READY CAFE @ SANDHILLS
LEARN HOW TO SAY HELLO IN 3 DIFFERENT LANGUAGES USING MANGO
A BOOK FOR TEENS THAT IS NON-FICTION
A BOOK THAT MAKES YOU CRY
ADD SOMETHING TO THE LEARN CREATE SHARE COLUMN
30 WAYS to use a CARDBOARD BOX
finker tykes
Let's MAKE... Giant Dice
Parenting Resources
What Cardboard Boxes Teach Kids & Learning Dimensions
build, create, experiment, invent, and tinker with your little maker.


LOOK & learn
Learn Freely!
Play Freely!
Parenting Resources
learn freely
Read
Magazines

Summer Learning Challenge 2016
SHOW YOUR SCHOOL SPIRIT
Add a sticker by your school when you have completed your...
SUMMER LEARNING CHALLENGE 2016
SCHOOL SPIRIT

30
WAYS
BOX
family
night


owlette
academy
Sandhills
STEAM FIT
WORKOUT OF THE DAY

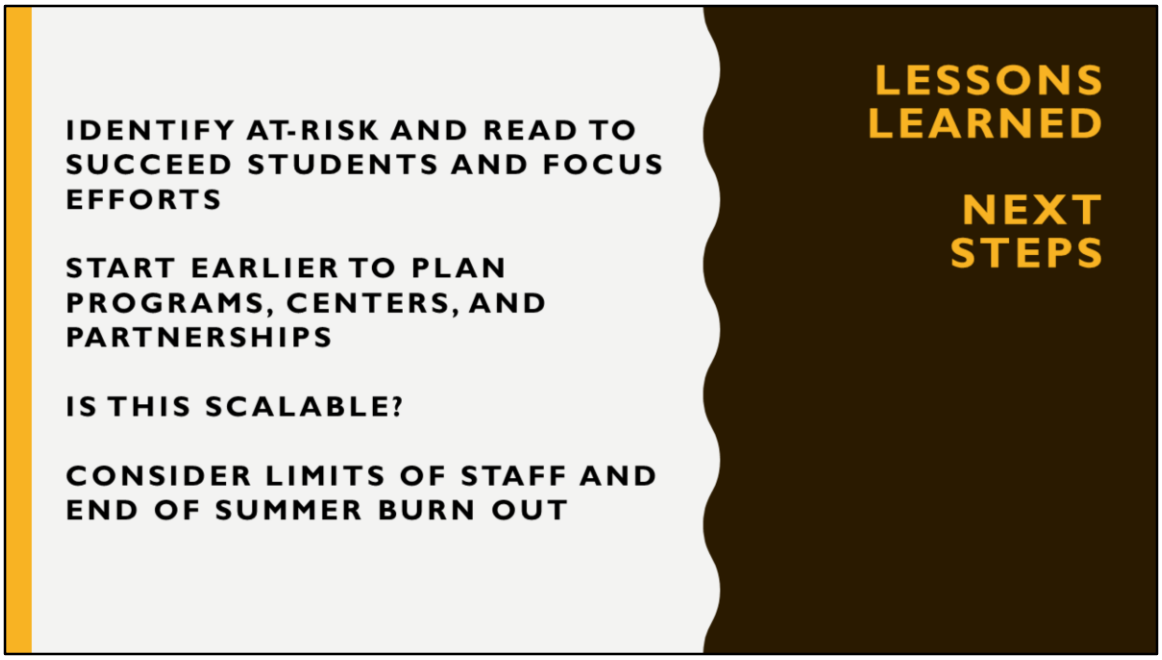
52 Weeks of STEM | www.STEMinLibraries.com

A STEM programming toolbox with adaptable, budget-friendly STEM activities to engage all ages including families.

STEM in Libraries | www.StarnetLibraries.com

Research and best practices for the what, why, how and who of STEM in libraries including a link to more STEM ideas designed for libraries.

LET'S GO UPSTREAM WITH SOME STEAMY IDEAS



Identify at-risk students and read to succeed and focus efforts

Start earlier to plan programs, centers, and partnerships: Parent Workshops, Child Development Center Requirements

Is this scalable? Can we invite more schools to visit? Can we visit more schools?

Consider limits of staff and end of summer burn out

REFERENCES + ARTICLES + SITES

Libraries = Education | Valerie Gross: www.valeriegross.com
Interview: http://newsbreaks.infotoday.com/NewsBreaks/Libraries--Education-An-Interview-With-Valerie-Gross-112392.asp

4 C's and 21st Century Learning | P21: www.P21.org

STEM Program Ideas | www.STEMinLibraries.com

STEM in Libraries | www.StarnetLibraries.org → STEM in Libraries

21st Century Student SC | www.SCcompetes.org/TransformSC

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