

Summer Learning Activities *Students entering Grade 2*

Why is Summer Learning Important?

The purpose of the Summer Learning Activities is to foster a love for learning, retain and improve their skills and encourage problem solving abilities during the break from school. Time spent working on mastery, reinforcement, and enrichment of their skills will greatly benefit all students.

These activities are Common Core aligned for each grade level and have been chosen by the teacher to best support your child's learning over summer.

What is Required?

(Requirements below due back by Friday September 6th)

STEAM (Science, Technology, Engineering, Art and Mathematics):

Students entering Grade 2 must complete at minimum 4 of the 8 provided STEAM projects. Students must complete a drawing to go along with their 4 STEAM projects on the provided paper. When they have completed all of their 4 projects they need to complete the Summer Stem Reflection that asks student to write about their experience with the projects.

(If students would like to complete all 8 they are more than welcome to do so ☺)

Reading:

Students entering Grade 2 must read & record on their reading graph at least 20 books (they are welcome to complete the entire graph of 40 books). The graph displays books by genre, we encourage students to read books from a variety of genres to expand their understanding of text.

Each genre has a point system associated with it. Students will earn those points to spend at the Summer Super Star Store the first week back at school in September.

For Reading, students are required to complete 5 book reviews (paper provided) for 5 of the 20 books they read this summer. They may choose whichever book they'd like to report on.

What is Encouraged?

Math Fact Practice: Flashcards (Dollar Store or Target).

Reading Comprehension Activities: Roll & Retell (See Attached). This sparks wonderful conversation between parents and their children about what they are reading.

Use of the Recommended Educational Websites and Math Apps

Student/Parent Accountability

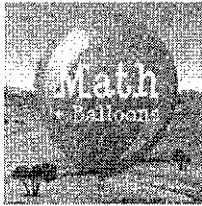
The intent behind these learning activities is to best support student learning and growth. Please do your best to complete the required materials and return them to your classroom teacher at the latest by Friday September 6th. Students will earn points for their completed & returned work, they will use those points to "shop" at the Summer Super Star Store.

Thank you and have a safe and fun vacation

Parent's signature: _____ Date: _____

Student Name: _____

Free Math Apps

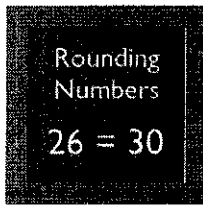


Math With Balloons – Improve math skills with five levels of difficulty in this app. Drag and drop balloons to make the equation correct. There is more than one answer!

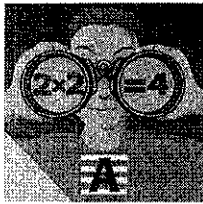
Other Great Apps:



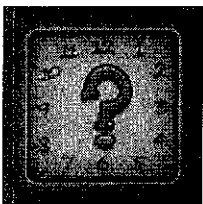
Free Kids Counting Game



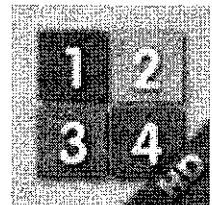
Rounding Whole Numbers



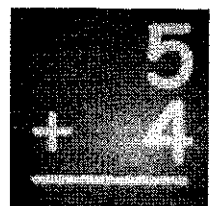
Attainment's Show Me Math Free



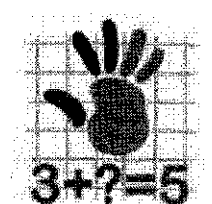
Telling Time Quiz



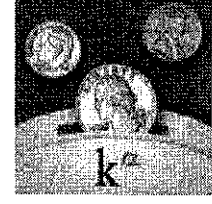
Counting Board



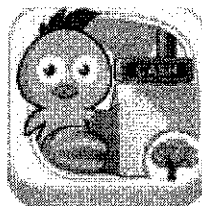
Math Drills Lite



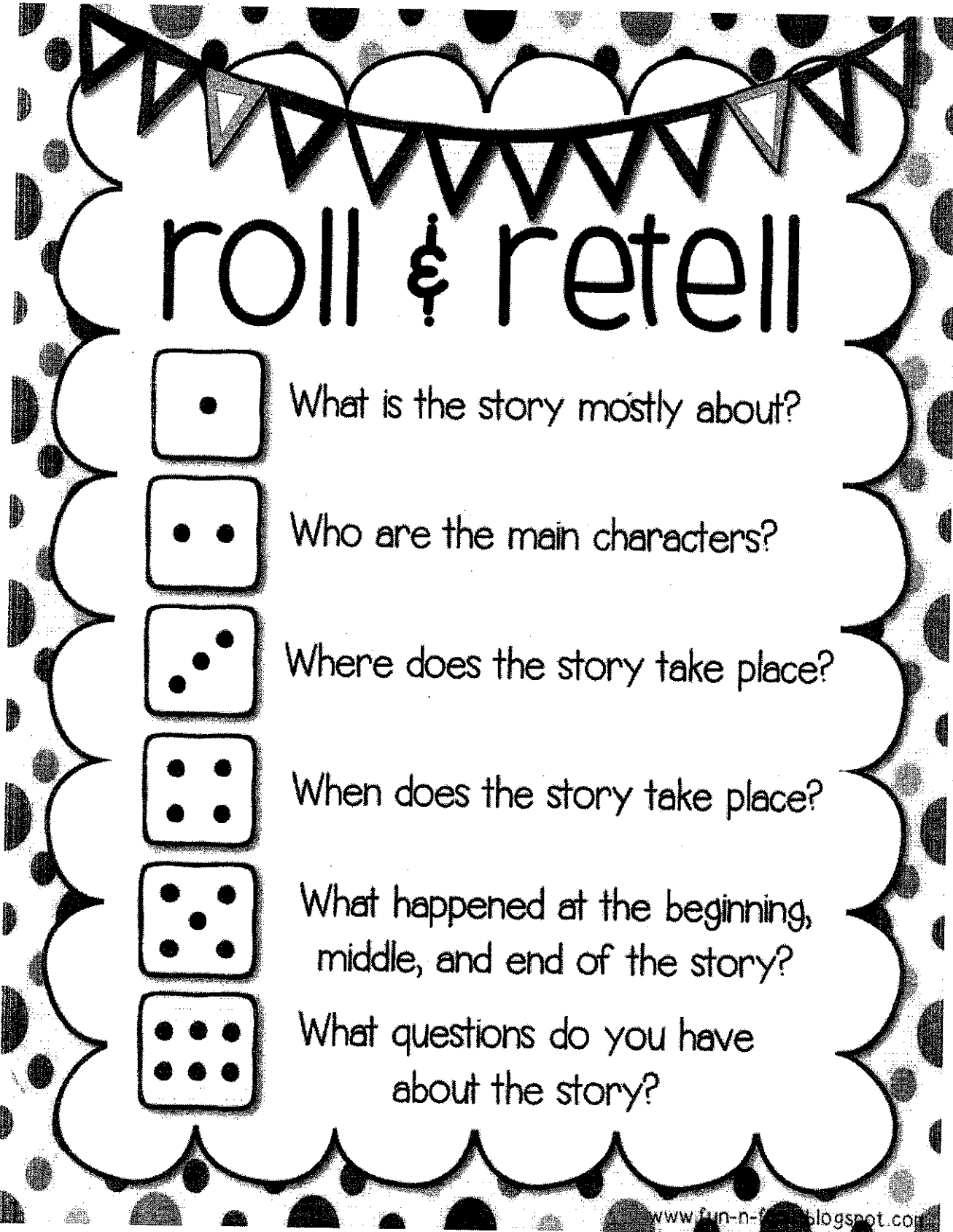
Math Kid



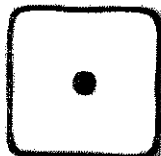
Counting Coins



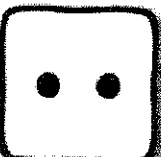
Tiny Chicken Learns Currency: Farmers Market



roll & retell



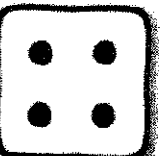
What is the story mostly about?



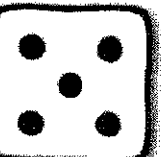
Who are the main characters?



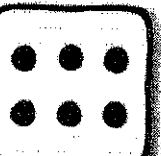
Where does the story take place?



When does the story take place?



What happened at the beginning,
middle, and end of the story?

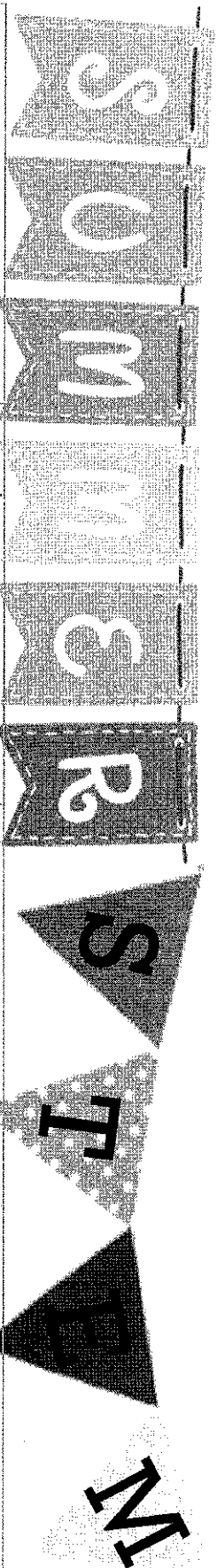


What questions do you have
about the story?

10 FREE LEARNING WEBSITES {FOR KIDS}

Here's a list of some fun, educational, and safe websites for your child to visit and explore on those hot summer days!

<p>Switcheroo Zoo www.switcheroozoo.com Watch, listen and play games to learn all about amazing animals!</p>	<p>Fun Brain www.funbrain.com Play games while practicing math and reading skills.</p>
<p>Nat Geo for Kids www.kids.nationalgeographic.com Learn all about geography and fascinating animals.</p>	<p>PBS Kids www.pbskids.org Hang out with your favorite characters all while learning!</p>
<p>Into the Book www.reading.ecb.org Go "into the book" to play games that practice reading strategies.</p>	<p>Star Fall www.starfall.com Practice your phonics skills with these read-along stories.</p>
<p>Seussville www.seussville.com Read, play games, and hang out with Dr. Seuss and his friends.</p>	<p>Storyline Online www.storylineonline.net Have some of your favorite stories read to you by movie stars!</p>
<p>ABC YA www.abcy.com Practice math and reading skills all while playing fun games!</p>	<p>Highlights Kids www.highlightskids.com Read, play games, and conduct cool science experiments!</p>

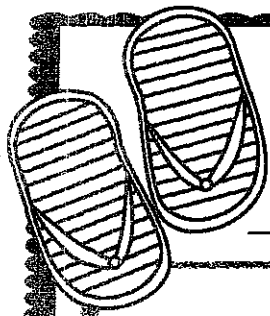


<p><u>Bug Catcher</u></p> <p>Create a device that traps or catches bugs.</p>	<p><u>Secret Hideout</u></p> <p>Create an indoor or outdoor fort or hideout using blankets and pieces of furniture</p>	<p><u>Pool Party</u></p> <p>Ask an adult to use a sharp knife to slice a foam pool noodle into 2-2 inch slices. Use toothpicks and pool noodle pieces to build a structure.</p>	<p><u>Play Day</u></p> <p>Create a working model of a playground toy, such as a swing, slide, merry-go-round, or jungle gym.</p>
<p><u>Float your Boat</u></p> <p>Create a boat, raft or floating toy that can be used in a pool. See how many pennies you can put in your boat while it floats.</p>	<p><u>More Fun</u></p> <p>Ask an adult to help you create a solar oven to perfectly melt your chocolate & marshmallow. See attached directions</p>	<p><u>We all Scream For Ice-cream</u></p> <p>Ask an adult to help you make your own ice-cream using science! See attached directions</p>	<p><u>Make Some Noise</u></p> <p>Create a musical instrument or noise maker.</p>

Bonus Points?

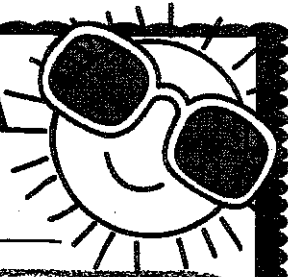
Take a picture of each project you complete!

Cross off each challenge as you complete it!

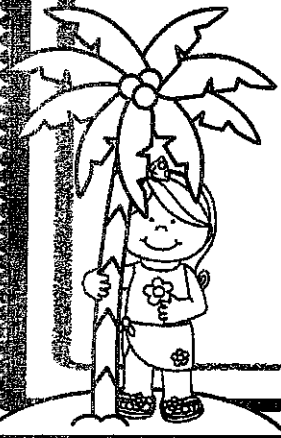


SUMMER STEM

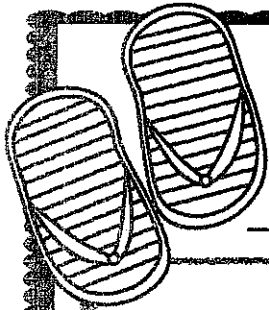
Which challenge did you complete?



Picture of your Design

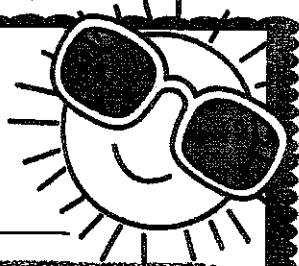


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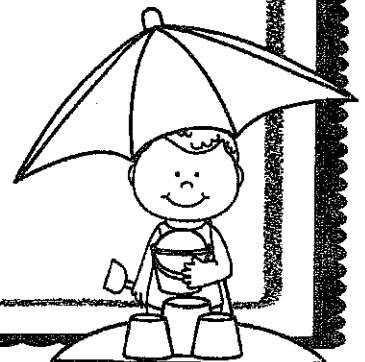


SUMMER STEM

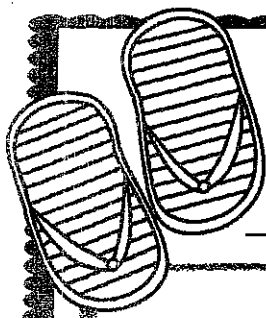
Which challenge did you complete?



Picture of your Design

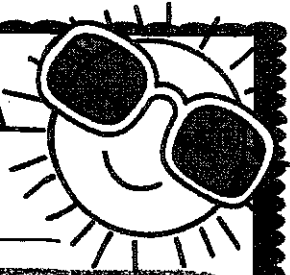


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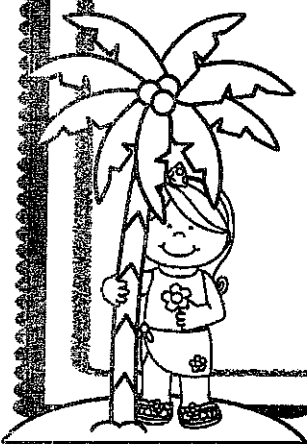


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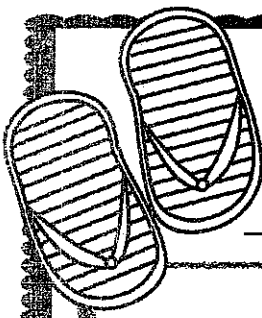
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Picture of your Design

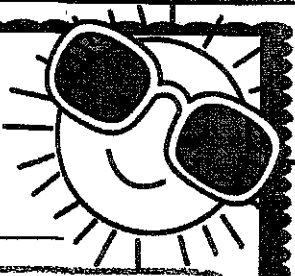


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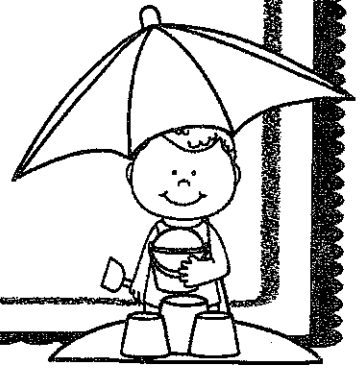


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Which challenge did you complete?

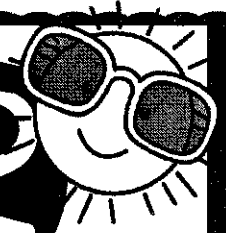


Picture of your Design

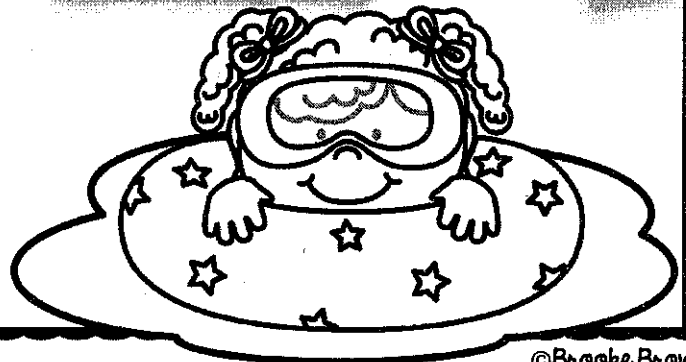
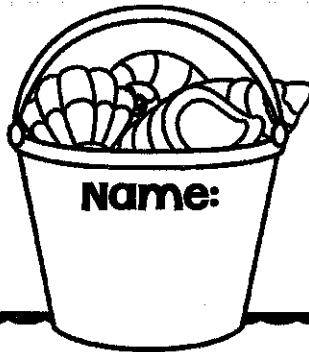
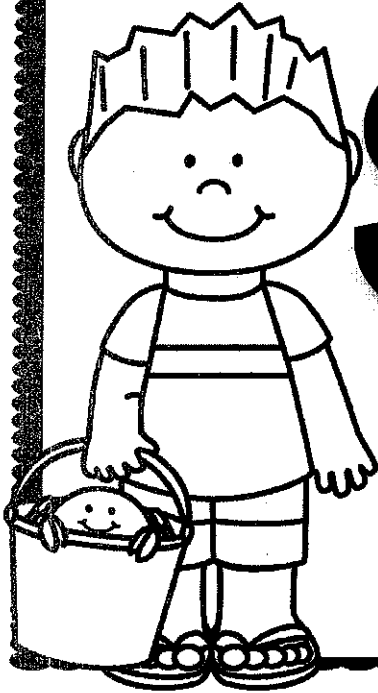


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SUMMER



STEM



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SUMMER STEM

Which challenge was your FAVORITE?

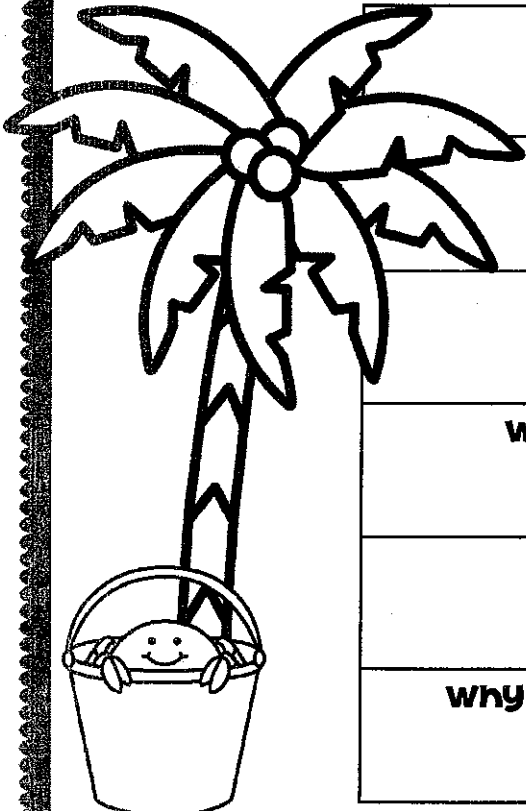
Why was that challenge your favorite?

Which challenge was EASIEST?

Why do you think that challenge was easiest?

Which challenge was MOST DIFFICULT?

Why do you think that challenge was most difficult?



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The Science of Ice Cream



Estimate how many minutes it will take for your ingredients to turn into ice cream.

Estimate: _____ Minutes

Actual: _____ Minutes

Procedure: Write or draw how you made the ice cream.



Conclusion: Why do you think the ingredients turned into ice cream?



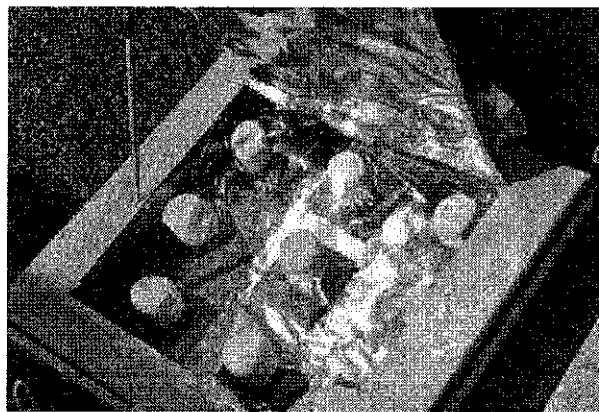
Solar Oven S'mores

1. Gather your supplies. You'll need

- A sunny day
- An empty pizza box
- Plastic wrap (although a piece of glass, from a picture frame would work as well)
- Scissors
- Tape
- Aluminum Foil
- Chop sticks or a 12 inch ruler
- Graham Crackers
- Marshmallows
- Chocolate melting wafers, a thin bar of chocolate (Or you could make them super exciting and make candy bar s'mores with your favorite chocolate bar or treat!)

2. How to Make the Pizza Box Solar Oven

- Cut a large flap into the top of the pizza box. You will want the flap to lift up to become a sun reflector. See the pictures for how the flap should be cut.
- Tape aluminum foil to the bottom (inside) of the flap.
- You can put aluminum foil on the inside bottom of the pizza box. We also experimented with black paper.
- Tape plastic wrap over the window of the pizza box lid. Or, place your piece of glass here when ready.



The chopstick is keeping the reflective flap open and reflecting heat down into the pizza b

3. Get Cooking

- You'll lay out your s'mores inside the box: graham cracker, chocolate, marshmallow (note we did not place another cracker on top)
- Cover the window if it isn't covered yet.
- Prop up the reflective flap if needed. We used chop sticks to do this.
- Watch and wait. Go play. Then watch some more.

4. Eat them up!

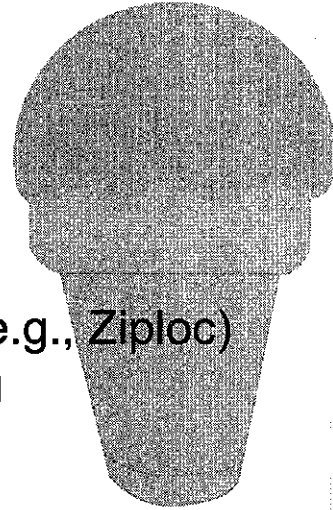
- You'll need to stick your finger in and give the marshmallows and chocolate a poke to see when they're ready.
- Carefully open the box when you think they're ready
- Grab a cracker, put another cracker on top and enjoy!
- Ours took about 20 minutes to melt, but we didn't do it on a particularly hot day

Ice Cream in a Bag!

By: nicole at
kinderconfections.blogspot.com

What you'll need:

1 tablespoon sugar
1/2 cup milk or half & half
1/4 teaspoon vanilla
6 tablespoons rock salt
1 pint-size plastic food storage bag (e.g., Ziploc)
1 gallon-size plastic food storage bag
Ice cubes



How to make it:

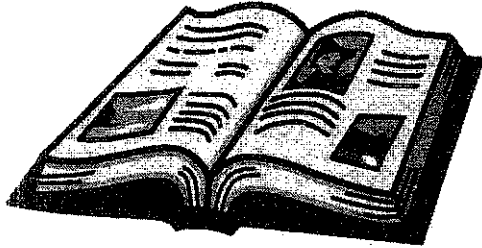
Fill the large bag half full of ice, and add the rock salt. Seal the bag. Put milk, vanilla, and sugar into the small bag, and seal it. Place the small bag inside the large one, and seal it again carefully. Shake until the mixture is ice cream, which takes about 5 minutes. Wipe off the top of the small bag, then open it carefully. Enjoy!

Tips:

A 1/2 cup milk will make about 1 scoop of ice cream, so double the recipe if you want more. But don't increase the proportions more than that -- a large amount might be too big for kids to pick-up because the ice itself is heavy.

GRAPH YOUR GENRE

For the 40 Book Challenge



You can earn points by reading different types of books this summer. Color in the graph as you read a book in that genre. You can use your points in the Summer Super Star Store the first week back to school.

For every book you read you will earn a different amount of points.

Poetry= 1 point

Mystery= 2 points

Fiction= 1 point

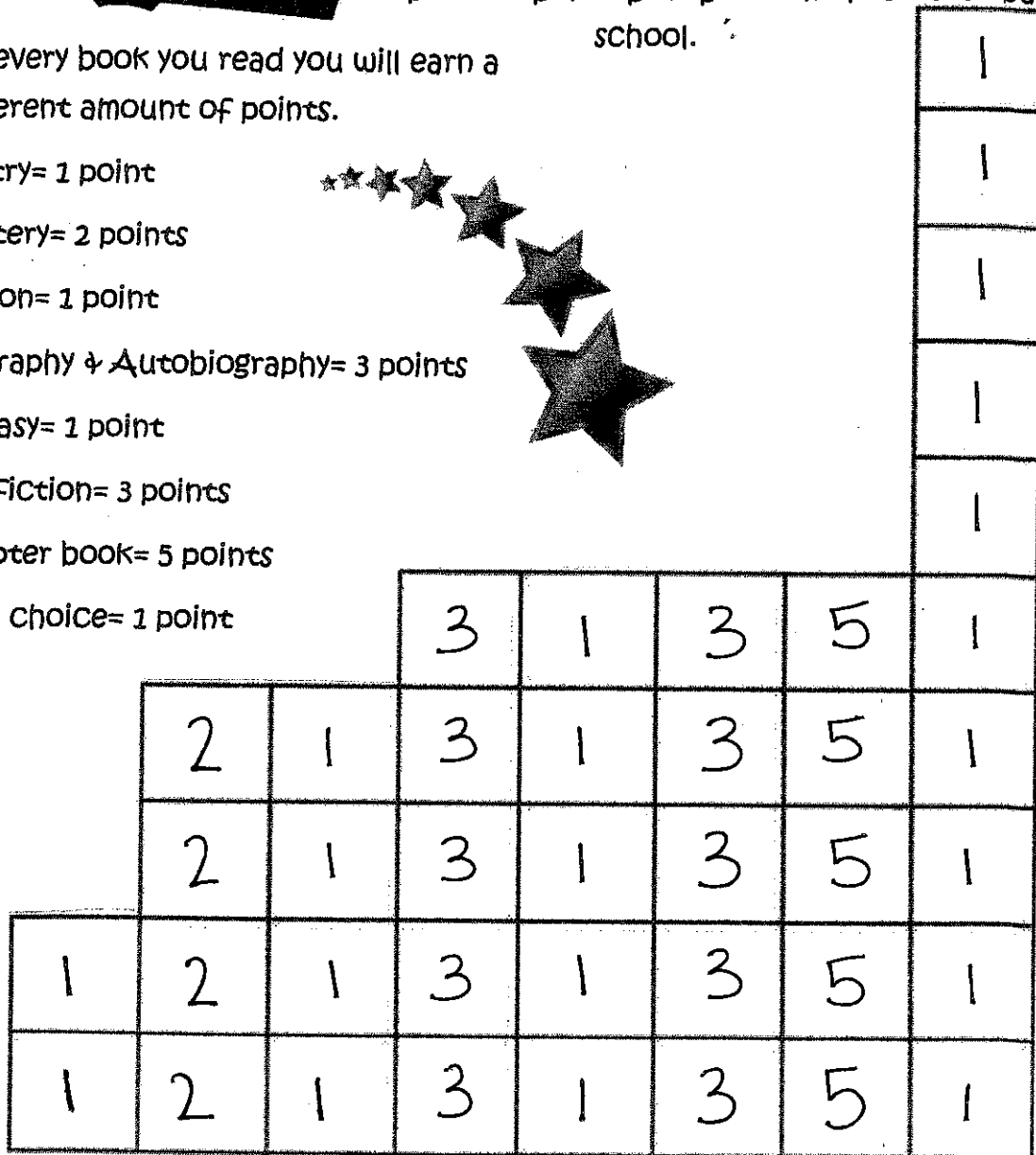
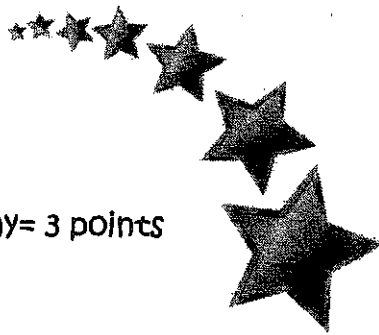
Biography & Autobiography= 3 points

Fantasy= 1 point

Nonfiction= 3 points

Chapter book= 5 points

Your choice= 1 point



Poetry

Mystery

Fiction

Biography &
Autobiography

Fantasy

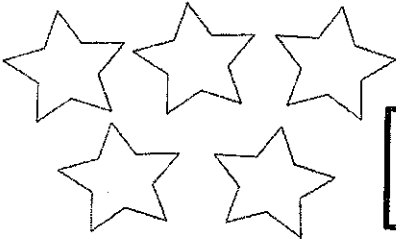
Nonfiction

Chapter Book

Your Choice

Rate the Book

Name: _____

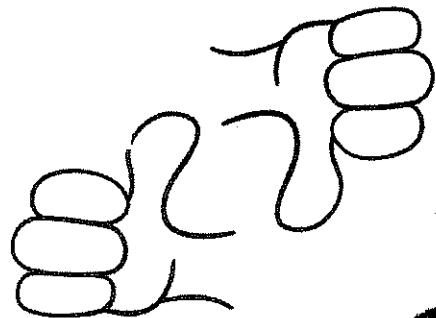


Title of Book

Write your opinion of the book:

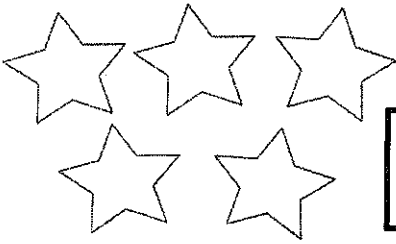
Draw your favourite
part.

Would you
recommend this
book to others?



Rate the Book

Name: _____

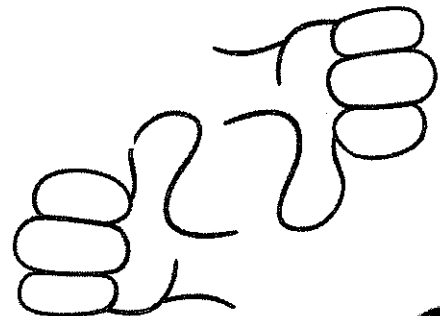


Title of Book

Write your opinion of the book:

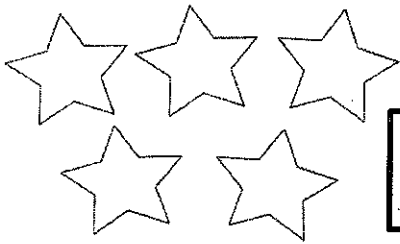
Draw your favourite
part.

Would you
recommend this
book to others?



Rate the Book

Name: _____

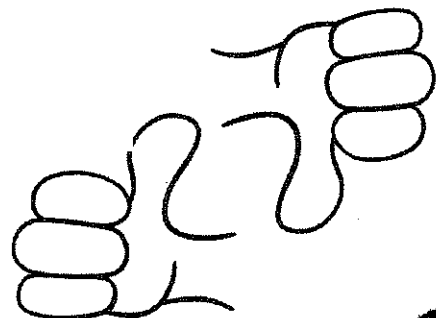


Title of Book

Write your opinion of the book:

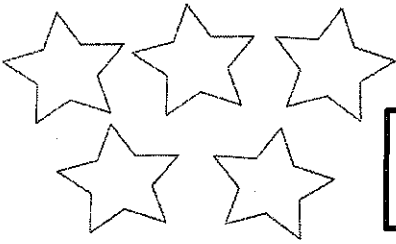
Draw your favourite
part.

Would you
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Rate the Book

Name: _____

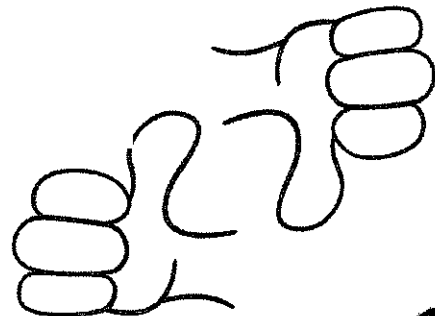


Title of Book

Write your opinion of the book:

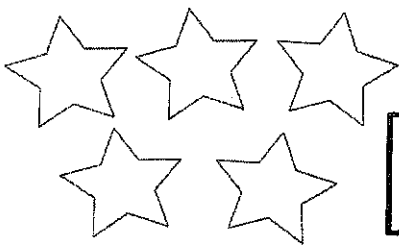
Draw your favourite
part.

Would you
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Rate the Book

Name: _____



Title of Book

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