## THE JAKE SERIES

## CURRICULUM ENHANCEMENT GUIDE

INTEGRATION ACTIVITIES INCLUDE:

- Art...................................... 2
- English Language Arts.......... 4
- Global Language................... 5
- Library \& Technology.............. 6
- Math.................................. 8
- Music \& PE........................... 12
- Science............................... 13
- Social Emotional.................. 18
- Social Studies...................... 21
- Table of Standards............... 23

2ND-5TH GRADE<br>Common Core \& STEM Aligned

# PK-2ND GRADE 

Common Core \& STEM Aligned

## ART

Hands on discovery • Creative thinking • Personal expression

CCSS.ELA-LITERACY.CCRA
R.1, R.2, R.7, R.10, SL.1, SL. 2

SL.6, L.1, L.4, L. 6
TESOL ENGLISH LANGUAGE PROFICIENCY
STANDARD 1 \& 2

In the story, Jake's Cooking Craze, Jake learns about healthy and nonhealthy foods.

- Fill paper plates with images of food, either by cutting out pictures of food from newspapers and/or magazines, or by drawing food directly on the plates.


VS UNHEALTHY



- Have your students help Jake pack a healthy lunch. Cut out the lunchbox shape below, then cut out pictures of healthy foods to glue inside. Students can use newspapers or magazines to find food pictures, or they can print healthy food pictures off the internet. They can also draw pictures of healthy foods in the lunchbox. To make this more challenging, and to integrate ELA, find words that represent, define, or describe the foods chosen. Cut the words out and glue them under the lunchbox, or write the words beneath the lunchbox. (See template on page 3.)
- Jake's Balloon Blast shows that Jake really wants to fly. Let's play a game. Draw a picture of something that can fly. Now pair up with another student and give clues about what you drew.

[^0]
## HEALTHY LUNCHES

Cut out the lunchbox shape below, then cut out pictures of healthy foods to glue inside.


# PK-2ND GRADE <br> Common Core \& STEM Aligned 

# ENGUSH Hacuact ARTS 

CCSS.ELA-LITERACY.CCRA
R.1, R.2, R.4, R.7, R.10, SL.1, SL. 2

SL.6, L.1, L.4, L. 6

TESOL ENGLISH LANGUAGE PROFICIENCY
STANDARD 1 \& 2
In Jake's Concert Horror, students read how Jake's excitement soon turns to horror when he experiences stage fright. It can be scary to get up in front of a crowd of people and make a presentation.

- Developing the ability to speak confidently in front of a group of people is a valuable skill. Public speaking requires students to plan and prepare. It requires they think ahead. One of the major advantages of practicing public speaking is that it boosts self confidence level. Students learn the importance of courage and how to overcome fears.
- In class, teachers can use reader's theater to give students the opportunity to practice and develop public speaking skills.
- Teachers can divide students into small groups and allow each group to write their own play or skit and then perform it in front of the class.
- Students can retell familiar stories using puppets.
- Students are encouraged to use one of the multiple
 intelligences (Howard Gardener 1983) to deliver their presentations:
- Naturalist (nature smart)
- Musical (sound smart)
- Logical-mathematical (number/ reasoning smart)
- Existential (life smart)
- Interpersonal (people smart)
- Bodily-kinesthetic (body smart)
- Linguistic (word smart)
- Intra-personal (self smart)
- Spatial (picture smart)

[^1]
# PK-2ND GRADE 

Common Core \& STEM Aligned

CCSS.ELA-LITERACY.CCRA

## GLOBAL LANGUAGE

Introduce words and phrases • Understand words and phrases

## TESOL ENGLISH LANGUAGE PROFICIENCY <br> STANDARD $1 \& 2$

Jake learns a great deal about food in Jake's Cooking Craze. Student can have fun learning other languages.

- Learn the names of various foods in other languages.

| ENCLISH | SPANISH |  | CRENCH | CHESE |
| :--- | :--- | :--- | :--- | :--- |
| milk | leche | lait | Niu nai | milch |
| candy | golosinas | bonbons | tangguo | Kanis zucker |
| cookie | galleta | Gateau sec | quqbing | platzchen |
| jello | gelatina | jill | Huang se | cello |
| ice cream | helado | glace | bingjiling | eis |

- Create cards with a picture of the food and the words beneath.

- Ask the student to tell about their favorite foods in their native language.


## Guide created for THE JAKE SERIES

# PK-2ND GRADE <br> Common Core \& STEM Aligned 

## LIBRARY \& TECHNOLOGY

CCSS.ELA-LITERACY.CCRA
R.1, R.7, R.10, SL.1, SL.2, SL. 5 SL.6, L.1, L.4, L.6, W.4, W. 7

## TESOL ENGLISH LANGUAGE PROFICIENCY <br> STANDARD 1 \& 2

Jake's birthday is coming soon, and he decides to make a list of all the gifts he would like. Jake's Gigantic List grows and grows. His aunt introduces him to the wonders found by reading books.

- Use the iPad app Chatterpix (http://www.duckduckmoose.com/educational-iphone-itouch-apps-for-kids/chatterpix//, to take a photo of Jake. Choose one of the books you enjoyed and record yourself retelling the story, or highlight the important message this story teaches.
- With an adult's help, research easy recipes on line, or write the recipes of your favorite foods, and create your own cookbook. Keep these for use in the Science section of the guide.
- Finding the right type of book is an important step in developing the joy of reading. Using the template on page 7, have the students talk about a book they enjoyed and then make a list of topics they are interested in reading about.


[^2]
## ENJOYABLE BOOKS

Tell about a book you really enjoyed and then make a list of topics you are interested in reading about.

The title of a book I enjoyed....

The author:

The reason I liked this book is:

The most interesting part was:

I'd give this book...


Make a list of topics you are interested in reading.


# PK-2ND GRADE <br> Common Core \& STEM Aligned 

## MATH

## CCSS.ELA-LITERACY.CCRA

R.1, R.2, R.7, R.10, SL.1, SL.2,

SL.6, L.1, L.4, L. 6
CCSS.MATH.CONTENT
K.OA.A. 1 | K.OA.A. 2 | K.OA.A. 3

Abstract math concepts • Number sense • Number relationships

- After reading how much Jake likes to cook, let

TESOL ENGLISH LANGUAGE PROFICIENCY
STANDARD 1, 2 \& 3 students help him out by going shopping. Cut out food pictures below and do some food mathematics. (See template pages 9 \& 10.) Create a bunch of food to use in addition and subtraction problems.

1. Place 3 pizzas in the cart, now add 3 more. How many do you have?
2. Place 8 carrots in the cart, now take 4 out. How many do you have?
3. Place 10 apples in the cart, now add 6 more. How many do you have?

- In the story Jake's Great Game, Jake loves to play soccer. Ask the students to make a graph of the sports they enjoy. Then have the students ask ten people what sports they like the best. Fill in the graph to reflect their answers. Example:

| SOCCER | BASKETBALL | FOOTBALL | BASEBALL |  |
| :--- | :--- | :--- | :--- | :--- |
| $X$ | $X$ | $X$ | $X$ | TENNIS |
| $X$ | $X$ |  | $X$ |  |
|  | $X$ |  | $X$ |  |

- After completing the graph, have students compare and contrast their results.

Which sport was the most popular?
Which sport was the least popular?
How many more people liked baseball over football?

- Discuss favorite games that children play in other countries.
- Ask the students if they've ever had to do an unpleasant task. Ask them did they ever do a pleasant task. Challenge the student to estimate. Next time they have a job to do, estimate how long it will take to complete the task. Set a timer and try to beat the clock. (See template on page 11.)

Guide created for THE JAKE SERIES

## GROCERY CART ACTIVITY



©Star Bright Books | All rights reserved | 13 Landsdowne St., Cambridge, MA 02139 | Tel: 617-354-1300

## HOW LONG DOES IT TAKE?

My job is to: $\qquad$
I think I can finish in $\qquad$ minutes.

It actually took me $\qquad$ minutes.

## My estimate was:

Just about right

##  <br> BIG

$\qquad$


Too small $\qquad$
*At an early age, the idea of estimating is that the student will be able to determine if their estimate was too big, too small or just about right. It takes a lot of practice with estimating for a young child to make accurate estimates.

# MUSIC \& PE 

Voice • Rhythm • Gross motor activities

CCSS.ELA-LITERACY.CCRA
R.1, R.2, R.7, R.10, SL.1, SL. 2

SL.6, L.1, L.4, L. 6
TESOL ENGLISH LANGUAGE PROFICIENCY
STANDARD 1 \& 2

- Write a play and perform it, or sing a song, while being recorded on the iPad. Upload this to the Seesaw app (https://web.seesaw.me).
- Watch All About Courage (https://www.youtube.com/watch?v=UBiDjhgntWA) and talk about the video.
- Create a microphone using a paper towel holder and a Styrofoam ball. The children can decorate it as they wish using paint, glue, glitter, construction paper, wrapping paper and tape. The microphone can be used when they perform their play or just for fun.



## Guide created for THE JAKE SERIES

by Ken Spillman • Illustrated by Chris Nixon

# PK-2ND GRADE 

Common Core \& STEM Aligned

# SCIENCE 

CCSS.ELA-LITERACY.CCRA
R.1, R.2, R.4, R.7, R.10, SL.1, SL. 2 SL.6, L.1, L.4, L.6, W.3, W. 4

## NEXT GENERATION SCIENCE

3-PS2-2: SCIENCE \& ENGINEERING PRACTICES
Earth • Weather • Health • Living things
In Jake's Balloon Blast, Jake learns the power of wind as it pulls him away.

TESOL ENGLISH LANGUAGE
PROFICIENCY
STANDARD 1, 2, 3 \& 4

- Use a balloon to show the power of wind. (See handout on page 14.)
- Provide the students with a variety of materials they can use to design and build a new form of transportation. Materials could include: lego blocks, tissue rolls, balloons, bottles, bottle caps, tape, paper, straws, paperclips, clothes pins, balloons, etc. (See handout on page 15.) Encourage students to hypothesize how their cars will perform in a series of races. Create basic bar graphs to record observations. Analyze how the structure of each car effected its performance. Present
 conclusions to the class.

Photo via Wikimedia Commons.

- Ask students to draw a picture of something that will fly in the future. Encourage them to use their wildest ideas. Now show them how to make it fly. Literally. Have your students fold their drawing into a paper airplane. Students will stand in a line and on the count of 3 throw the planes. Whose went the farthest? Measure how far each plane flew. (Math integration. See handout on page 17.)

In the story Jake's Cooking Craze, Jake and his friends develop an interest in cooking. Children enjoy cooking and adults can encourage this interest with the understanding that cooking incorporates both science and mathematics.

- The kitchen can be viewed as a science lab. (See handout on page 16.)


# WIND POWER 

Materials: 1 balloon per student; 1 binder clip per balloon (to keep the end of the balloon shut until launch); masking tape, a ruler or measuring tape; small, light objects such as feathers, tissue paper, ping pong balls, etc.

- Choose a starting point.
- Mark out distances on the classroom floor or on a long table using masking tape.
- Have students blow up their balloon.
- Place a light object at the starting point.
- Hold the balloon so the open end faces the object.
- Release the stored air.
- How far did the object go?
- Repeat this several times, marking the landing spot each time.
- Measure each of the distances.

What was the farthest distance your object flew? Which object went farthest? Did it matter how big the object was? Did it matter what the object weighed?


## TRANSPORTATION INVENTION

Jake wants to invent a way to fly on his own without an airplane or helicopter. Have students use their imagination to invent a new form of transportation.

My invention will be:
Here is a sketch of what I plan to create:

The list of supplies I will need are:

My results:

## MATH \& SCIENCE SKILLS CHILDREN LEARN BY COOKING

Measurements and volume. As children work in the kitchen, they learn about fractions and wholes. They also discover that the same amount of liquid in a measuring cup may appear differently in a shallow bowl, even though the actual amount hasn't changed.

Properties of matter and the role of temperature. The kitchen is an excellent place to teach children about liquids, gases, and solids. Through baking and cooking, children come to understand how temperature changes matter. A thick liquid cake batter becomes a solid when baked. Maple syrup loses its viscosity (resistance to flow) when it is heated, becoming thinner and easier to pour.

Chemical reactions. One of the most fascinating aspects of cooking, and in particular, baking, is the change that occurs when a few simple ingredients combine. Add yeast to a bread dough or baking powder to a muffin batter, and bubbles form. These bubbles leaven the baked good to create a light, fluffy product. Without their power, your favorite cookies or cakes would be dense, dry, and hard.

When cooking with young children, keep projects simple and safe. Gather all your materials ahead of time. Take extra precaution around the stove or sharp equipment.

## SUGGESTED RECIPES

- Pudding
- Jello
- Muffins
- Cookies
- Scrambled eggs

- Make English Muffin Pizza: spread pizza sauce on top of a muffin top with cheese, add pepperoni as an option and bake until cheese melts.
- Applesauce: peel, slice apples put in a crock pot, as the apples cook down add sugar and cinnamon or a handful of red hots
- Let children invent their own recipes: sandwiches


## PAPER AIRPLANE DIY

1. Fold the paper in half vertically.
2. Unfold the paper and fold each of the top corners into the center line.
3. Fold the top edges into the center line.
4. Fold the plane in half toward you.

5. Fold the wings down, matching the top edges up with the bottom edge of the body.


Photo via Wikimedia Commons.

# PK-2ND GRADE <br> Common Core \& STEM Aligned 

# SOCIAL EMOTIONAL 

Self-awareness • Relationships • Decision making

CCSS.ELA-LITERACY.CCRA
R.1, R.2, R.7, R.10, SL.1, SL. 2 SL.6, L.1, L.4, L.6, W. 4

TESOL ENGLISH LANGUAGE PROFICIENCY
STANDARD $1 \& 2$

In Jake's Monster Mess, Jake had good intentions but what he didn't have was a plan.

- Ask students what advice they would give to Jake. The title refers to the mess as a "monster mess." Ask students if they thought there would be a monster in the story? What does the word monster refer too? If there had been a monster, what role would the monster have played in the story?
- Determination is the act of
 officially deciding something.
Jake's Monster Mess teaches determination. Have the students make a plan. (See template on page 19.)

In the story Jake's Great Game, Jake learns an important lesson about setting a goal and not giving up. The trait Jake learns is called perseverance.

- Ask students to think of a time when they wanted to learn something new but struggled. How did they feel? What steps did they take to master the skill? How did they feel when they finally accomplished their goal? Have students use the template below to record their thoughts. (See template on page 20.)


## Guide created for THE JAKE SERIES <br> by Ken Spillman • Illustrated by Chris Nixon

## MAKE A PLAN

Jake does a good job of making a list of how to accomplish his task. Below list all of the things you would do to complete a job.

My job would be: $\qquad$
Before beginning, I will have a plan.



# SOCIAL STUDIES 

Surroundings •Community

## PK-2ND GRADE <br> Common Core \& STEM Aligned

CCSS.ELA-LITERACY.CCRA
R.1, R.2, R.7, R.10, SL.1, SL. 2

SL.6, L.1, L.4, L.6, W. 4

## TESOL ENGLISH LANGUAGE PROFICIENCY

STANDARD 1, 2, \& 5

- Have student fill in the picture on page 22 according to their answers to the questions below. When all the images are finished, display them in the room as a grouping.


## JAKE'S BALLOON BLAST

- If you like to fly, add a balloon to your picture.
- If you like to walk, add a dog to your picture.


## JAKE'S GREAT GAME

- If you play sports color the pants...
- Orange - soccer
- Yellow - basketball
- Black - American football
- Red - tennis
- Purple - swimming
- Green - dancing
*If you participate in more than one sport, choose your favorite, or make your pants multicolored.
**If you don't see your sport listed, choose a color for your pants that hasn't been used yet, and let us know what it is for.


## JAKE'S GIGANTIC LIST

- If you like to look at or read books, add shoes...
- Black - fiction
- Brown - nonfiction


## JAKE'S MONSTER MESS

- If your room is clean right now, draw a toy in Jake's hand.
- If your room is messy right now, draw a broom in Jake's hand.


## JAKE'S CONCERT HORROR

- If you've performed in front of an audience, color the shirt blue.
- If you've never performed in front of an audience, color the shirt red.


## JAKE'S COOKING CRAZE

- If you like to cook, draw a chef's hat on Jake's head.
- If you prefer to eat, draw a fork in Jake's hand.



## TABLE OF STANDARDS

| English Language Arts Standards \% Anchor Standards for Reading: |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CCSS.ELA- <br> Literacy.CCRA.R. 1 | Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text. | - | - | - | - | - | - | - | - | - |
| CCSS.ELA- <br> Literacy.CCRA.R. 2 | Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas. | - | - |  |  | - | - | - | - | $\bullet$ |
| CCSS.ELA- <br> Literacy.CCRA.R. 4 | Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone. |  | - | - |  |  |  | - |  |  |
| CCSS.ELA- <br> Literacy.CCRA.R. 7 | Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words | - | - | - | - | - | - | - | - | - |
| CCSS.ELA- <br> Literacy.CCRA.R. 10 | Read and comprehend complex literary and informational texts independently and proficiently. | - | - | - | - | $\bullet$ | - | - | - | $\bullet$ |
| English Language Arts Standards » Anchor Standards for Writing: |  |  |  |  |  |  |  |  |  |  |
| CCSS.ELA- <br> Literacy.CCRA.W. 3 | Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details and well-structured event sequences. |  |  |  |  |  |  | - |  |  |
| CCSS.ELA- <br> Literacy.CCRA.W. 4 | Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. |  |  | - | - |  |  | - | - | - |
| CCSS.ELA- <br> Literacy.CCRA.W. 7 | Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation. |  |  |  | - |  |  |  |  |  |
| English Language Arts Standards » Anchor Standards for Speaking \& Listening: |  |  |  |  |  |  |  |  |  |  |
| CCSS.ELA- <br> Literacy.CCRA.SL. 1 | Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own clearly and persuasively. | - | - | - | - | - | - | - | - | - |
| $\begin{array}{\|l\|} \hline \text { CCSS.ELA- } \\ \text { Literacy.CCRA.SL. } 2 \\ \hline \end{array}$ | Integrate and evaluate information presented in diverse media and formats, including visually, quantitatively, and orally. | - | - | - | - | - | - | - | - | - |
| $\begin{array}{\|l\|} \hline \text { CCSS.ELA- } \\ \text { Literacy.CCRA.SL. } 5 \\ \hline \end{array}$ | Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations. |  |  |  | - |  |  |  |  |  |
| CCSS.ELA- <br> Literacy.CCRA.SL. 6 | Adapt speech to a variety of contexts and communicative tasks, demonstrating command of formal English when indicated or appropriate. | - | - | - | - | - | - | - | - | - |
| English Language Arts Standards » Anchor Standards for Language: |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { CCSS.ELA- } \\ & \text { Literacy.CCRA.L. } 1 \end{aligned}$ | Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. | - | - | - | - | - | - | - | - | - |
| CCSS.ELA- <br> Literacy.CCRA.L. 4 | Determine or clarify the meaning of unknown and multiple-meaning words and phrases by using context clues, analyzing meaningful word parts, and consulting general and specialized reference materials, as appropriate. | - | $\bullet$ | - | - | - | - | - | - | - |
| CCSS.ELA- <br> Literacy.CCRA.L. 6 | Acquire and use accurately a range of general academic and domainspecific words and phrases sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when encountering an unknown term important to comprehension or expression. | - | - | - | - | - | - | - | - | - |

## TABLE OF STANDARDS

Standards for Mathematical Practice: Kindergarten

| CCSS.Math.Content.K. <br> OA.A.1 | Represent addition and subtraction with objects, fingers, mental images, <br> drawings, sounds (e.g., claps), acting out situations, verbal explanations, <br> expressions, or equations. |  |  | $\bullet$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| CCSS.Math.Content.K. <br> OA.A.2 | Solve addition and subtraction word problems, and add and subtract within <br> 10, e.g., by using objects or drawings to represent the problem. |  |  |  |  |
| CCSS.Math.Content.K. <br> OA.A.3 | Decompose numbers less than or equal to 10 into pairs in more than one <br> way, e.g., by using objects or drawings, and record each decomposition by a <br> drawing or equation (e.g., 5 =2 + 3 and 5 = 4 + 1). |  |  |  |  |
| Next Generation Science Standards: 3-PS2-2 Motion and Stability: Forces and Interactions |  |  |  |  |  |
| 3-PS2-2 | Make observations and/or measurements of an object's <br> motion to provide evidence that a pattern can be used to <br> predict future motion. |  |  |  |  |
|  |  |  |  |  |  |
| Engineering Practices | Make observations and/or measurements to produce data to <br> serve as the basis for evidence for an explanation of a <br> phenomenon or test a design solution. |  |  |  |  |
| TESOL Pre-K-12 English Language Proficiency Standards |  |  |  |  |  |
| Standard 1 | English language learners communicate for social, intercultural, and <br> instructional purposes within the school setting. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |
| Standard 2 | English language learners communicate information, ideas, and concepts <br> necessary for academic success in the area of language arts. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |
| Standard 3 | English language learners communicate information, ideas, and concepts <br> necessary for academic success in the area of mathematics. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |
| Standard 4 | English language learners communicate information, ideas, and concepts <br> necessary for academic success in the area of science. | $\bullet$ | $\bullet$ | $\bullet$ |  |
| Standard 5 | English language learners communicate information, ideas, and concepts <br> necessary for academic success in the area of social studies. |  | $\bullet$ | $\bullet$ |  |

## GUIDE INFO

## THE JAKE SERIES

By Ken Spillman •Illustrated by Chris Nixon

Jake learns some unexpected lessons throughout all six books in this series. Not everything goes as planned, but there is nothing he won't try!


Star Bright Books is an independent publishing company dedicated to producing the highest quality books for children. Deborah Shine established the press in 1994 with the goal of making "Great Books for Great Kids." (They are great for parents and other care givers too!) Authors from around the globe have found a home here at Star Bright. We believe that only the best is good enough for children and we will continue to produce books that are not only entertaining, but meaningful and sensitive to the needs of all children.

## How can I place an order?

All orders, both retail and wholesale can be placed with us directly via the website https://starbrightbooks.com (look for the 'add to cart' button on each book page). We offer discounts to literacy and non-profit organizations. Queries regarding discounts for specialty markets and corporate premiums can be addressed via email to: orders@starbrightbooks.com

Star Bright Books
13 Landsdowne St.
Cambridge, MA 02139
Call us now: 617-354-1300
Fax: 617-354-1399
Email: info@starbrightbooks.com
a littlefig creation for Star Bright Books. For curriculum enhancement guide information contact
Sherry Bushue • sherry@thelittlefig.com • cell: 913-226-6099 • fax: 913-239-9350


[^0]:    Guide created for THE JAKE SERIES
    by Ken Spillman • Illustrated by Chris Nixon

[^1]:    Guide created for THE JAKE SERIES
    by Ken Spillman • Illustrated by Chris Nixon

[^2]:    Guide created for THE JAKE SERIES
    by Ken Spillman • Illustrated by Chris Nixon

