

EXHIBIT DESCRIPTION & MAINTENANCE

Go Figure

Setup Instructions:

Each “book” consists of a front and a back cover as shown below.

- Slide the covers together so that they align at the spine. There are 2 camlocks that connect these pieces together:
 - Insert the hex key provided into the holes on the outside of the Back cover
 - Turn the hex key 180 degrees clockwise to activate each camlock. You will be able to feel the camlocks sliding into place.
- 5 of the “Books” have a book holder as shown above. Hang the book holder onto the cleat provided. Using the lock on the underside of the book holder, secure it to the book cover.

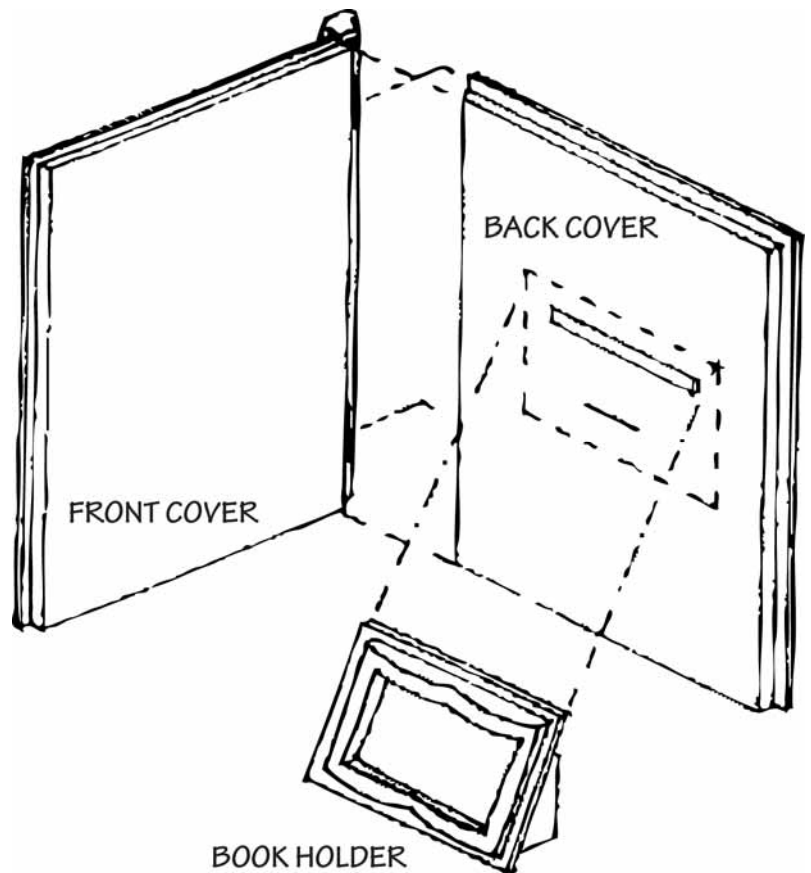


Exhibit 1: Exhibit Entry

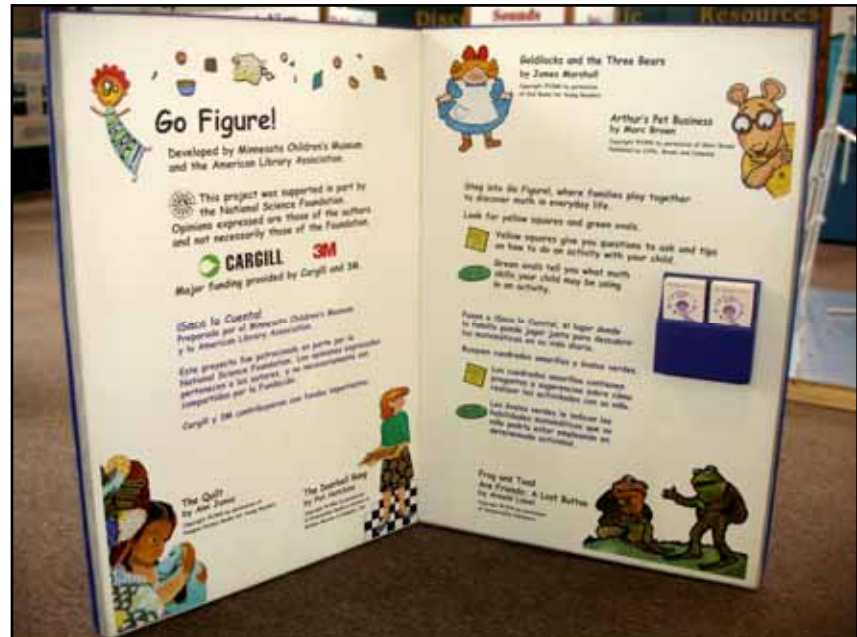
An open book stationed at the exhibit entrance bears the exhibit title, logo, and donor recognition

Objectives:

- To present the exhibit title and logo to visitors
- To recognize major funding sources

Text/Graphics:

Exhibit text is presented in both English and Spanish.



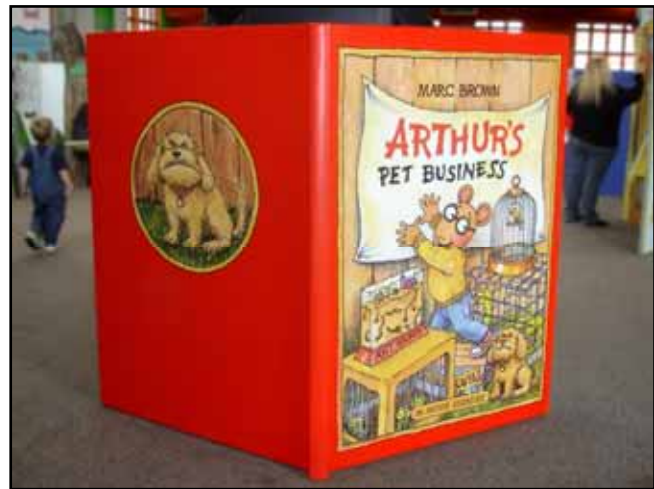
- **Arthur's Pet Business**, by Marc Brown
Copyright © 1990 by permission of Marc Brown
Published by Little, Brown and Company
- **The Doorbell Rang**, by Pat Hutchins
Copyright © 1986 by permission of Greenwillow Books, a division of William Morrow & Company, Inc.
- **The Quilt**, by Ann Jonas
Copyright © 1984 by permission of Penguin Putnam Books for Young Readers
- **Frog and Toad Are Friends: A Lost Button**, by Arnold Lobel
Copyright © 1970 by permission of HarperCollins Publishers
- **Goldilocks and the Three Bears**, by James Marshall
Copyright © 1988 by permission of Dial Books for Young Readers

Setup Notes:

The Main Entry does not have a book holder. Main Entry has a brochure holder that is attached to the inside of the back cover. Should the brochure holder require maintenance it can be removed by loosening the 4 machine screws.

Exhibit 2: Arthur's Pet Business

This book component is an oversized calendar. The upper part of the calendar has pictures of puppies; the lower part is a typical monthly calendar grid. A bin at the bottom of the calendar holds a set of "task" tiles, one tile for each of 31 days in the month. Each tile corresponds in shape and size to the squares on the calendar. Pictures and text adorn the tiles. The tiles convey the story line, i.e., what happened while Arthur had his pet business, and outline some of Arthur's other activities and responsibilities.

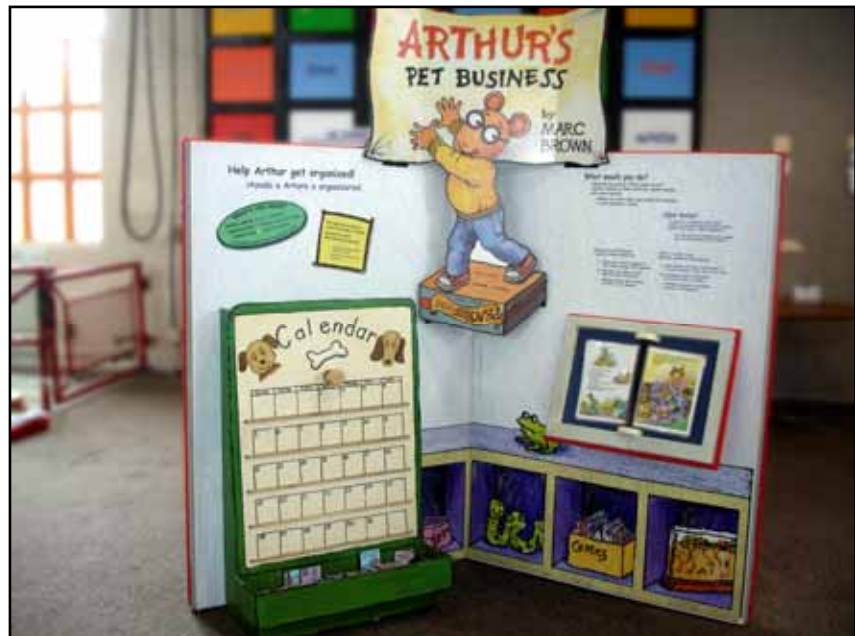


Visitors read the tiles and place them on an appropriate square on the calendar in order to help Arthur plan his month. Some of the tasks belong on specific days, others are not date related. In order to complete the activity, children figure out a strategy for fitting all the tiles on the calendar. Adults assist children in reading and finding the correct spaces on the calendar. Visitors get a sense of what Arthur likes to do and what kinds of chores he is responsible for.

Math Activity: Arthur's Calendar

Objectives:

- Children will locate specific days and dates on a calendar.
- Children will develop strategies for dealing with conflicts that arise as they fill in Arthur's calendar.
- Adults will be engaged in this activity with their children through active observation, participation, or assistance.
- Adults will recognize the math connection in this activity.



Text/Graphics:

Help Arthur get organized!

How many days are there in a week? How many in a month? How many in a year? Which month could this be?

What's the math?

- Reading a calendar
- Sequencing events
- Problem solving

Calendar Tiles:

- 1st: Clean my room.
- 4th: Put up signs to advertise "Arthur's Pet Business."
- Sunday the 5th: Pick up Perky at Mrs. Wood's house.
- Tuesday the 7th: New pet arrival: Prunella's ant farm.
- 9th: New pet arrival: The Amazing Larry's trained boa Cuddles.
- Friday the 10th: Move all the animals to the basement.
- Saturday the 11th: Cancel movie date with Buster.
- 12th: Mrs. Wood returns today. Perky had puppies and I get to keep one!
- Monday the 13th: Name my new puppy.
- Tuesday the 14th: Clean the basement. Test in math class on Friday the 17th!
- Help Dad clean the garage on the 18th.
- 19th: Visit Grandma Thora.
- Tuesday the 21st: Work on school project with Buster.
- Work on school project with Buster on the 22nd.
- 24th: Baby-sit the Tibble twins.
- Go to the eye doctor on the 28th.
- 29th: Clean my room.
- 30th: Help Mr. Sipple clean his garage.



- Finish cleaning Mr. Sipple's garage on the 31st.
- First Monday: New pet arrival: The MacMillan's canary Sunny.
- First Thursday: Paper due in English class.
- Second Wednesday: The Brain goes on vacation—take care of his frogs
- Third Thursday: Clean my room.
- Fourth Sunday: Baby-sit D.W. and Kate.
- Fourth Monday: Take Pal to the vet for his shots.
- Sleep over with Buster and the Brain on Saturday.
- No school tomorrow!
- Go to the movies with Francine.
- Give Pal a bath.
- Go to the pet store.

Setup Notes:

Locate the “calendar” interactive and remove it from its case. Install it on the cleat on the inside of the front cover.

Install the Arthur graphic on the center of the book using the Velcro attached. Align the graphic with the outline marked on the book.

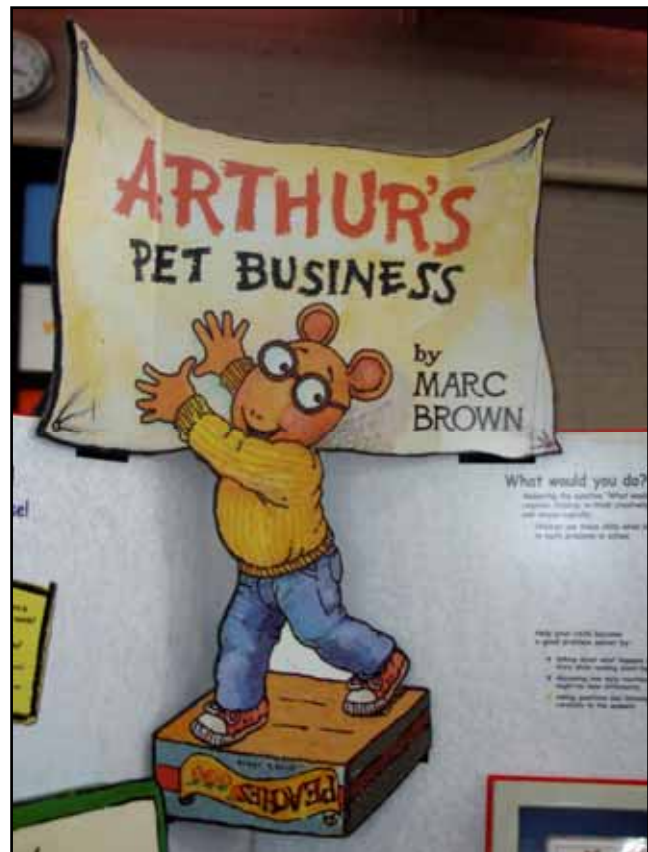


Exhibit 3: The Doorbell Rang

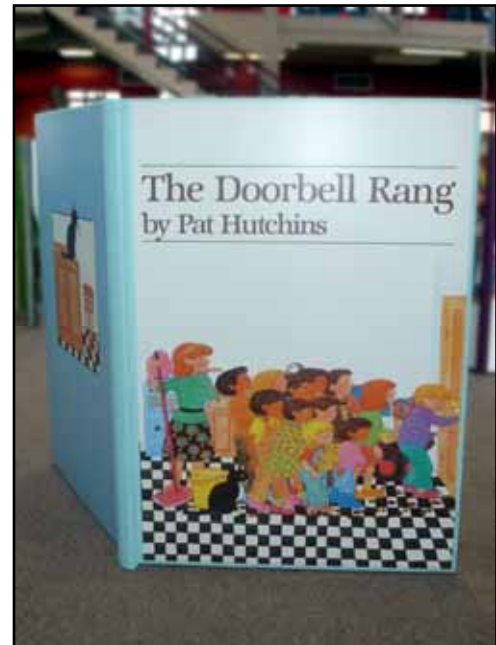
This component consists of a base holding a very large cookie sheet in an almost vertical position. Attached to the cookie sheet are eight very large cookies. The cookies are numbered 1-8 and each has the corresponding number of indentations designed to hold huge chocolate chips. Attached to the bottom edge of the cookie sheet is a tray that holds the chocolate chips. A reset handle allows a visitor to quickly empty the cookies of their chips.

Children experience one-to-one correspondence—one chip per hole—as they place giant chips into giant cookies. Many children will count aloud as they put the chips into the cookies.

Math Activity: Count it out cookie sheet

Objectives:

- Children will engage in one or more of the following math-related skills: arranging objects using 1:1 correspondence, counting forward and backward, adding, subtracting, numeral recognition, comparing, talking about numbers, and using math-related language.
- Adults will recognize the math connection in the activity.
- Adults will be engaged in this activity with their children through active observation, participation, or assistance.



Text/Graphics:

Cookie count

Count and compare the number of chips in each cookie. Which cookie would you want to eat? Why?

What's the math?

- Counting
- Matching one-to-one
- Comparing

Setup Notes:

The book holder on this unit installs on the inside of the front cover.

Locate the “cookie sheet” interactive.
Remove it from its case. Install it over the cleat on the back cover.

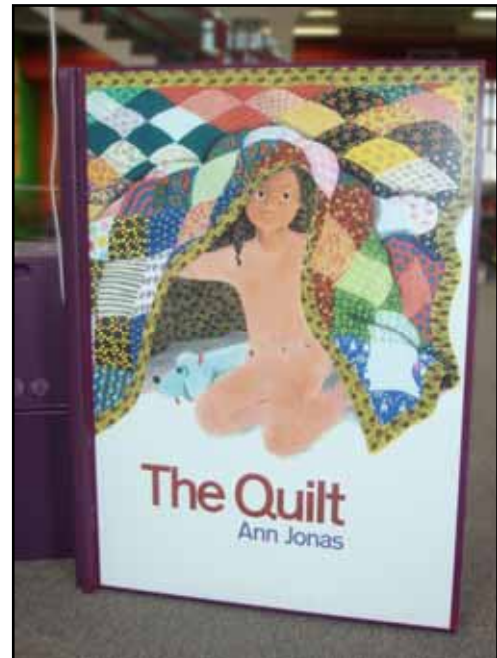
The “chocolate chips” are inside the cookie sheet in a bag.



Exhibit 4: The Quilt

This touch screen computer interactive fits into the book wall. Its visual surroundings give the impression that it is part of a window.

Visitors are attracted to the component by a video loop of an animated hand selecting and moving quilt squares onto a quilt. When the screen is touched it instantly displays a screen where visitors can create their own quilt pattern by placing predefined quilt squares onto a 5 x 5 grid. When a child touches one of eight quilt squares from the palette on the right side of the screen, they turn on that particular square. They can then place that square onto their own quilt by touching squares on the design grid. Visitors can also scroll through a selection of partially finished quilt patterns and select one to finish and they can save their finished quilt to a "gallery" that other visitors may view.



Math Activity: Design a Quilt (Computer Interactive)

Objectives

- Children will engage in one or more of the following math-related skills: copying a pattern, continuing a pattern, or creating a pattern.
- Adults will recognize the math connection in the activity.
- Adults will be engaged in this activity with their children through active observation, participation, or assistance.

Text/Graphics:

Computer quilting

What's the math?

- Following directions
- Creating a pattern
- Reproducing a pattern

Setup Notes:

The book holder on this unit installs on the inside of the front cover.

Locate the computer case and its base. Remove the cover from the computer case using the hex key.

Remove the “L” shaped hex key from the computer case lid. Unfold the base and lift the computer onto it.

Push the computer case forward so that it pushes through the hole in the back cover. Using the 4 locks in the computer case and the “L” shaped key, lock the computer case to the book.

Install the graphic panel on to the back cover, using the Velcro provided. Make sure that the graphic is aligned with the computer screen hole. This also aligns the access hole for the ON button.

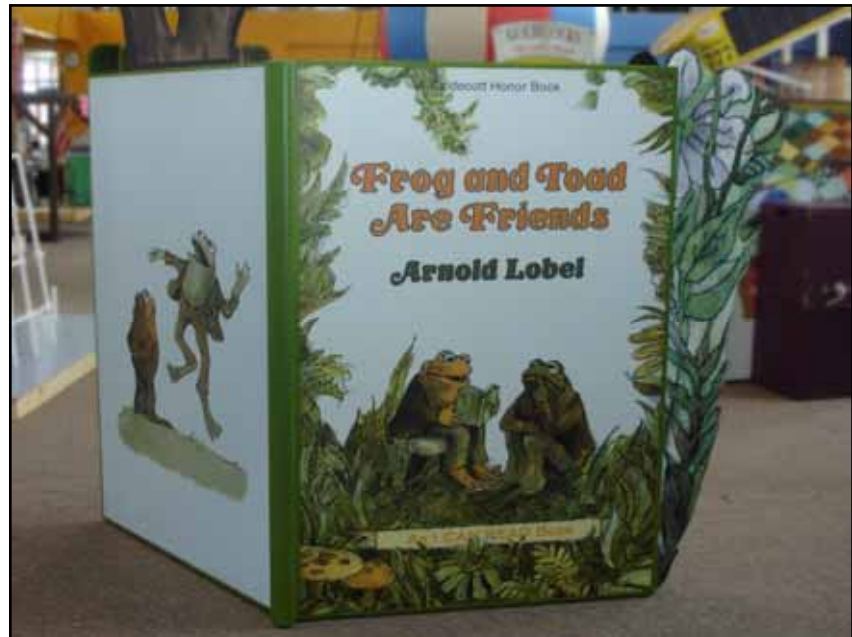
Plug in the computer box. Straighten a paper clip and push it through the small hole in the graphic, if the graphic is aligned correctly, this should turn the computer on.



Exhibit 5: Frog & Toad are Friends: A Lost Button

This component is a large flat tree stump. Tree rings are visible on the top of the stump. One ring is quite dark in color and forms a sorting circle. The front of the stump has a shallow bin which holds a variety of oversized buttons. Several distinct and obvious attributes are represented in the buttons: size, color, number of holes, and material.

Visitors sort, stack, match, create series, and play "What's My Rule" with a large supply of oversized buttons.



Math Activity: Button Sorting Table

Objectives

- Children will engage in one or more of the following math-related skills: comparing, describing similarities and differences, matching, counting, and asking questions about attributes.
- Adults will recognize the math connection in the activity.
- Adults will be engaged in this activity with their children through active observation, participation, or assistance.

Text/Graphics

Play a sorting game.

Take turns creating and guessing sorting rules.

How many ways can you think of to sort the buttons?

What's the math?

- Sorting
- Pattern recognition
- DescribingService parts and spares:

Setup Notes:

The book holder on this unit installs on the inside of the front cover.

Locate the 2 pieces of the “tree” graphic and install them in the position marked on the book.

Locate the table-top and drop it over the cleat on the “tree” graphic. Slide the hinged legs under the table towards each other until they engage with the locks on the underside of the table top.

Locate the Frog & Toad and Flower graphics and install them in the locations marked.



Exhibit 6: Goldilocks and the Three Bears

The activity is located on the front stoop of the house. The Three Bears are framed in the doorway. Measuring strips run up both sides of the outer door frame. Magnetic markers are attached to the strips. The strips are numbered in two ways: on one side, inches are numbered 1-72. On the other side, feet are numbered and inches are numbered 1-12 within each one foot segment. On the inside surface of the door frame are two nonstandard ways to measure: one side has a column of pencils, the other side has a column of spoons.

Visitors work together to measure heights and compare themselves to the size of other people and The Three Bears.

Math Activity: Measure up!

Objectives

- Children will engage in one or more of the following math-related skills: measuring, comparing, and using math language.
- Adults will recognize the math connection in this activity.
- Adults will be engaged in this activity with their children through active observation, participation, or assistance.

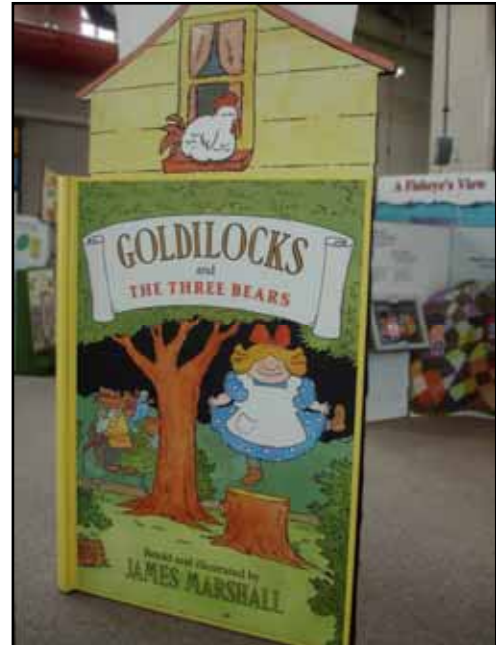
Text/Graphics

Measure up!

Are you taller or shorter than Baby Bear? By how much? How many spoons high is the tallest person in your family?

What's the math?

- Nonstandard measurement
- Measuring height
- Comparing



Setup Notes:

The book holder on this unit installs on the inside of the back cover.

Locate the 2 “Measure Up” graphic panels.
Install them as shown in the photographs,
and aligned to the marks on the book.

Install the “Goldilocks” sign on the top
section.

The 2 ruler sections Velcro onto the door
frame of the “Measure Up” graphic as shown
in the photographs.

