

WHAT WILL I SAY? Science and Math in Storytimes

AN EFFECTIVE ASIDE: Gives a research-based reason for why or how an activity supports a science or math concept. It may also explain the relationship to early literacy or later reading.

YOUR EXAMPLE ASIDE ITEM:

1. **Look over your storytime and choose** ONE item from your storytime that you can relate to a science or math concept—content or process. It does not have to be a book.
2. **Review and think** about the book/item you have chosen.
3. **Choose a science or math concept** to highlight to the adults. (See below).
4. **Fill in** the form below including your aside. You may use the *What Can I Say* handout if it is helpful to you.

Science Concepts

☐ **Science Content**

☐ **Life Science**

- ☐ Living or not, characteristics of living things
- ☐ Plants, Animals, Human body
- ☐ Habitats and environments
- ☐ Life cycles

☐ **Physical Science**

- ☐ Physical properties of objects, materials
- ☐ Manipulating objects and materials
- ☐ What things are made of and their properties

☐ **Earth and Space Sciences**

- ☐ Earth's environment, geology
- ☐ Solar system, universe
- ☐ Seasons, weather

☐ **Tools**

- ☐ What are tools
- ☐ Show/use tools, not necessarily science tools

☐ **Science Process**

- ☐ Observation
- ☐ Explore/Question
- ☐ Predict/Hypothesize
- ☐ Experiment
- ☐ Collect and Organize Data
- ☐ Make Conclusions
- ☐ Report Findings

Math Concepts

☐ **Math Content**

☐ **Numbers and Operations**

- ☐ Counts, quantifies
- ☐ Connects numerals with quantities

☐ **Patterns, Relationships, Functions**

- ☐ Recognizes patterns—visual, auditory, movement
- ☐ Sorts by characteristic(s), matching
- ☐ Functions of objects

☐ **Geometry and Spatial Relationships**

- ☐ Recognizes and names shapes
- ☐ Spatial relationships

☐ **Comparison and Measurement**

- ☐ Compares (more/less)
- ☐ Measures, standard and non-standard

☐ **Time and Sequence**

- ☐ Develops concept of time
- ☐ Sequences, put things in order

☐ **Math Process**

☐ **Problem Solving**

- ☐ Guessing, estimating
- ☐ Asking for help

☐ **Representation**—Using graphs, pictures

☐ **Communication**—Using math language

☐ **Connections**—Applying math to different situations

Title/Name of Item:

Science or Math Connection: Check off above or list your own idea

Describe below (1) what you will do to highlight the science or math concept?

(2) Your aside to the adults.

Your Storytime Plan

Fill in your storytime plan:

1. Write out the Explain Aside.
2. Write in titles of the other items/activities you are doing in your storytime.
3. When you come to your example item, your Example Aside is already done! (See other side)
4. Continue to fill in the titles of other items/activities until you reach your Empower Aside.
5. Write out the Empower Aside.
6. Make any adjustments needed to your storytime.

Explain Aside:

Example Aside: see page 1

Empower Aside: