



Story Time STEM

A GUIDE FOR EDUCATORS AND LIBRARIANS

to accompany the Story Time STEAM in Action video at:

<https://washingtonstem.org/story-time-steam-with-librarian-jamie-gilmore/>

CONCEPTS IN THIS GUIDE

This video addresses the math concept of perseverance. Perseverance is the act of maintaining persistence in doing something despite difficulties or delays in achieving success.

- Perseverance
- Counting backwards
- Addition and subtraction
- Perspective

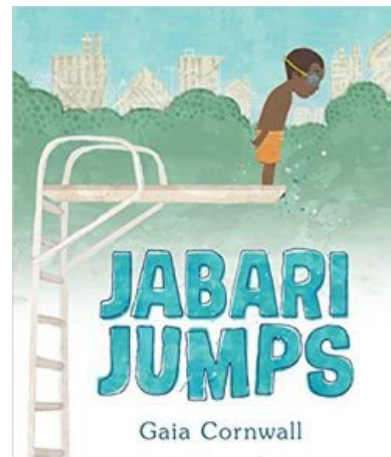
MATERIALS WE'RE USING

BOOKS

In the video found at URL, we'll be using the following books to model perseverance concepts using Story Time STEM techniques.



[The Most Magnificent Thing](#) (Spires, 2013)



[Jabari Jumps](#) (Cornwall, 2017)

MUSIC

The Itsy-Bitsy Spider
5 Green and Speckled Frogs

ACTIVITIES

Felt Board

GUIDANCE FOR THIS STORY TIME ACTIVITY

USING THE STORY TIME STEM APPROACH DURING THIS READING

Overall discussion of the STS approach.

The theme for module 1 of the Story Time STEM project is “perseverance”. In mathematics, perseverance is a practice that mathematicians experience; by struggling with concepts, ideas, and problems, mathematicians grow and become smarter and more resourceful problem solvers.

Tips:

- Read books several times before presenting them to your audience. When you become familiar with the sequence of events, you can find good places to pause and ask questions.
- Pay close attention to pictures. Try reading the story using only the pictures. You can find great ways to talk about characters’ feelings or objects to count by looking at illustrations.

CREATING A SPACE FOR INQUIRY

Sample Questions:

- What do you notice?
- What do you wonder?

The Most Magnificent Thing

- Why do you think the girl is having bad feelings?
- How do her feelings change?

Jabari Jumps

- How does Jabari’s dad help him change his thinking?
- What does Jabari do to get ready to jump?

Story Time STEM in Action!



Figure 1 - screenshot from video

- How do the characters push through obstacles?
- What things can you count in the books?
- How can we use math concepts to expand on books, songs, fingerplays, etc.?

ABOUT STORY TIME STEM

Story Time STEM (STS) is a research partnership between University of Washington Bothell School of Educational Studies, Washington STEM, and a broad range of partners including public library systems, community-based organizations, and public schools. STS emphasizes, through shared reading experiences, the integration of math and literacy, exploring concepts and practices through children’s literature, honoring young learners’ ideas through interactive discussion, and designing and facilitating professional learning with educators.

Visit us online at <http://www.washingtonstem.org/story-time-stem>