

<p>Unit 5</p>  <p>Week 1</p>	<p>Large Group: Tall, Tall Tree*</p> <p>Low Support</p>	<p>Math</p> <p>LG</p>	<p>Standards:</p> <p>MELDS.M.MP.PS.6</p> <p>MELDS.M.CCC.PS.2</p> <p>MELDS.M.CCC.PS.5</p> <p>MELDS.M.CCC.PS.6</p>
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Guiding Math Ideas:

- Integrated Projects- Science and Math
- Rote and Rational counting- Counting patterns
- Quantity- Reinforcement of all related concepts

Math Concepts From Unit Learning Progressions:

- Science and math are a natural fit.
- Math ideas can be expressed in ways other than words.
- Numerals communicate and represent math ideas.
- Drawing or describing how number names relate to groups of objects or living things.

Adaptations for Using Large Group In Alternate Schedule Slots:

- Watch YouTube Video during transition times. It is a brief but gentle book that would be appropriate for transitions or at the end of the day.

<p>Materials:</p> <ul style="list-style-type: none"> ● <i>Tall Tall Tree</i> by Anthony Fredericks ● Large Screen projection, if available ● Optional: YouTube Video: https://www.bing.com/videos/search?q=youtube+book+tall+tall+tree&view=detail&mid=129674D6AFAD18B83680129674D6AFAD18B83680&FORM=VIRE 	<p>Math Vocabulary:</p> <p>Canopy: The top branches and leaves of tall trees in a forest or jungle</p> <p>Survive: Having things we need to live, like water, light, shelter and food.</p> <p>Slimy: Something that feels sticky to touch</p> <p>All Together: The total number of a set or group</p>
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Preparation:

If possible, project this book to the large group. The beautiful illustrations contain many partially hidden animals. It will be fun for the children to search for the animals. There are also hidden “extra” animals that you can look for after reading the book: See *Find the Hidden Animals* in the teacher resources. Read through the entire book, including the facts and resources at the end of the book.

Optional: There is an excellent YouTube Video of the author Fredericks reading his book. Preview it and if your program has access to technology, show the video as you turn the pages.

This counting book has soft colorful illustrations that feature interesting animals and the changing light in the outdoors, similar in style and theme to the read-aloud book, *Raccoon on His Own*.

We are exploring shadows and light. You read *Raccoon on His Own* this week. Here is another book about the forest. You will see lots of pictures of animals in light and in dark places in the forest. You will also see shadows in the illustrations. The book is *Tall Tall Tree* by Anthony Fredericks. The illustrator is Chad Wallace

We will see a lot of animals who live in the light filled **canopy** of the trees as well as on the forest floor or in the dark hollow of a tree. Has anyone heard of the word **canopy**?

A tree canopy is the top branches and leaves of tall trees in a forest or jungle.

The words **survive** and **slimy** are in our book.

What are your ideas about these words?

Look carefully as we turn the pages. Some of the animals are not easy to find and count! Let's see if we can find all of them. You know a lot about numbers. As we turn the pages, I'll wait for you to tell me the next number.

There were a lot of dark, medium and light pictures in the illustrations, weren't there?

As I turn the pages, can you find things that are dark or medium or light?

Let's look at this number- 10. Do you see any shadows?

Show the book cover and talk about the light that is streaming into the forest.

Ask children for ideas about canopy.

Give definitions on survive and slimy as needed.

*Read the book using the Cliffhanger Counting method used in Math SWPL activities this year. If you are unsure about what this is, watch the YouTube video, as author Fredericks models it. As a Group, count the animals on each page as you point to each one. Occasionally, [not on each page, in order to keep the flow of the book] say: 1-2-3-4-5- There are 5 **all together**.*

Optional: Play the YouTube video as you turn the pages, Or do both- read through and then play YouTube if you have time.

Leaf through the book again Ask children to point out examples of differing degrees of light, dark and shadows.

Examples: Number 1 shows an eagle soaring up in the light above the darker canopy.

Number 7 shows the light streaming in behind the Bumblebees

Number 8 shows bats in their dark roosts.

Turn to Number 10 and see if children can identify the shadows of a hummingbird and of leaves.

Place book, or ask a child to take the book, in the

I'm going to put this book in the ___ Center so that you can easily see the animals. There are some other animals in the book that are also hiding. You might want to look for them.

small group area. You will use this book for the Tall Tall Tree game in Small Group

Strategies to Provoke Math Thinking:

- Alternate ways to express math ideas: The counting words and concepts in this book are obvious, but there are many other math ideas embedded in the illustrations such as the attributes of color and light. Labeling the pictures as light, medium and dark connects to attribute discrimination, typically associated with geometry. However, describing attributes is a universal learning concept. Here, it is a science/math concept.
- Counting Books: Rote counting, as presented in this book, is still important even when children have moved on to deeper understandings of counting, such as cardinality. Hearing number patterns over and over gives children the opportunity to gain confidence with numbers and memorize number order. Rote counting is a gateway to many important number concepts as presented in this book such as numeral recognition and the association of a number with a group of things. And other subtle but important ideas? Order irrelevance and the stability of sets!

Provocation:

- This book is published by Dawn Publications which specializes in nature-based books and free activities for educators. Visit this website for ideas on how to extend learning using *Tall Tall Tree*. Although many of the ideas are written for K-1, they are easily adapted for use with PreK. Both of our Small Group activities this week are adapted from this resource <https://dawnpub.com/activity/tall-tall-tree-activities/>

* Note: In the original math book list, distributed in August 2018, the book was mistakenly entitled *The Tall Tree* rather than *Tall Tall Tree*.