



TEN APPLES UP ON TOP

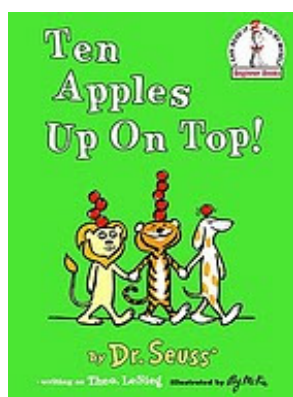
BOOKMARK FOR STORYBOOK CONVERSATIONS WITH YOUR YOUNG CHILD

DID YOU KNOW READING BOOKS IS A GREAT OPPORTUNITY TO SUPPORT STEM LEARNING?

Reading with older toddlers and preschoolers uses **PEER**:

- Use additional Prompts if needed,
- Evaluate and
- Expand your child's answers, and
- Repeat the prompts.

ABOUT THIS BOOK



Ten Apples Up On Top is a book written by Dr. Seuss and illustrated by Roy McKie. Three silly animal friends practice balancing and counting apples on their heads. Others try to knock the apples off while the friends race away. What can you balance on your head?

WHERE CAN I FIND THIS BOOK?

Search [YouTube](#), [BookShare](#), [Archive.org](#), and your local library.

ADAPTATIONS

STEMIE's tips for making adaptations to the storybook reading process

<https://stemie.fpg.unc.edu/resource/a-guide-to-book-adaptations/>

Scan the QR code to download or view online.



Expanding | Science & Math

Ten Apples Up On Top

By Dr. Seuss



Complete a sentence

"The tiger had 5 apples up on ___ (top)."



Recall

"How many apples did each animal have at the end?" (10)



Open-ended questions

"What would happen if Lion fell down?"



WH questions

"What animal is this? What sounds does it make? What does the animal eat?"



Distancing questions

"How many animals have you seen at the zoo?"

STEM Words & Ideas to Explore

- | | |
|-----------------------|-------------------|
| • Numbers & Counting | • Animals |
| • Spatial orientation | • Forces & Motion |
| | • More & Less |





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ADAPTATIONS FOR STORYBOOK CONVERSATIONS WITH YOUR YOUNG CHILD

Every child is different. Do what works best for encouraging your child's independent exploration during this suggested literacy activity. These are only suggested activity adaptations. Consider consulting your child's care team first.



Follow your child's lead and interests. Enthusiastically ask your child questions about what they are doing and what they like.



Answer your child's questions. If you do not know the answer, work together with your child to discover the answer.



Encourage your child to participate in the activity as much as possible. Praise your child's efforts and successes.

SUPPORT CHILDREN WITH VISUAL IMPAIRMENT, DEAF-BLINDNESS, OR MULTIPLE DISABILITIES:



Storybox:

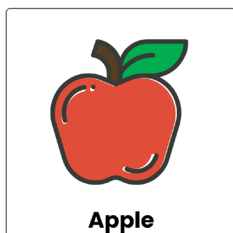
Select corresponding items and place them in a container or a box. Items may include:

- Stuffed animals
- Plastic apple
- Braille number blocks

This adaptation can also be used to:

- Increase children's attention and engagement
- Support children with sensory challenges

SUPPORT ALTERNATIVE WAYS OF COMMUNICATION:



Apple

Pictures, Symbols, Signs, or Icons:

- Select pictures that correspond to items, objects, or animals in the book
- Add signs and icons to the story
- Use pictures along with a communication board to support STEM learning

This adaptation can also be used to:

- Increase children's attention and engagement
- Support children's learning
- Support children who are deaf or have a hearing impairment



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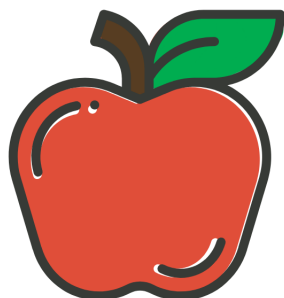
VISUAL CUES FOR STORYBOOK CONVERSATIONS WITH YOUR YOUNG CHILD

How To Use VISUAL CUES:

1. Print and cut out the images.
2. As you read, use tape or Velcro to attach the pictures to the corresponding pages in the book.

Check out STEMIE's tips for creating and using visual supports with

[A Guide to Visual Supports.](#)



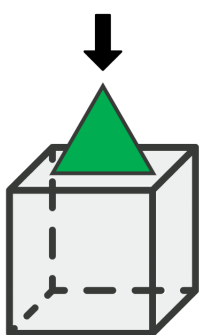
Apple



Up



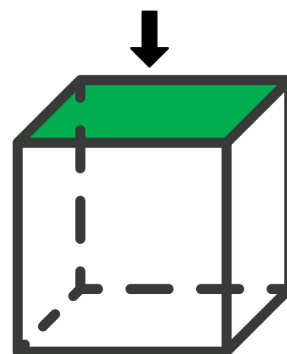
Down



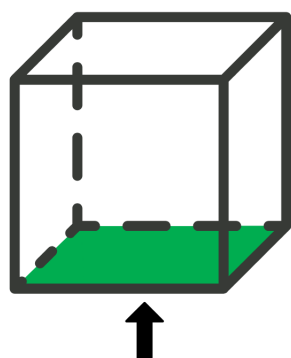
On



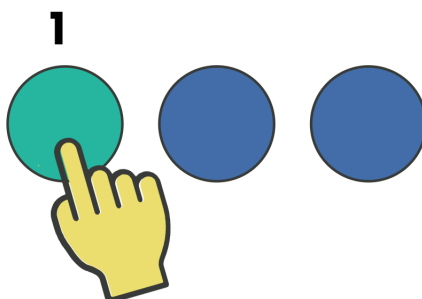
Off



Top



Bottom



Count



One



TEN APPLES UP ON TOP

VISUAL CUES FOR STORYBOOK CONVERSATIONS WITH YOUR YOUNG CHILD

2



Two

3



Three

4



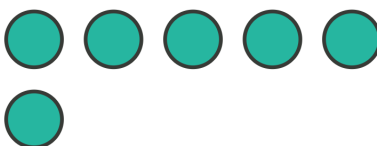
Four

5



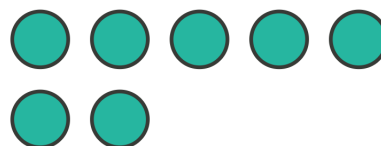
Five

6



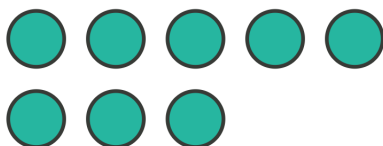
Six

7



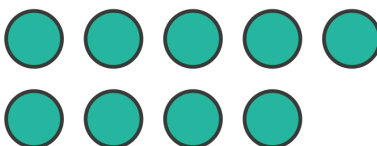
Seven

8



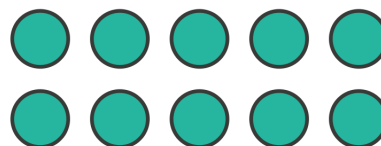
Eight

9



Nine

10



Ten



Need more visual cues?

Use the empty squares above to create your own or visit [STEMIE's Visual Cue Library](https://www.stemielearningtrajectories.com/visual-cue-library).



SIX-DINNER SID

ACTIVITY IDEAS FOR STORYBOOK CONVERSATIONS WITH YOUR YOUNG CHILD

COUNTING APPLES



Description: Help children make a connection between the **number** of apple slices **counted** and **how many** apple slices there are in **all**.

What My Child Is Learning!

Children learn best by interacting with people and objects. Introduce STEM words, ask questions, and encourage them to make connections between words and real-life experiences. This helps children develop fundamental critical thinking and problem-solving skills, as well as math skills.

Mealtime is great opportunity for practicing number operations, like **addition and subtraction**, and is already a part of a child's daily routine! Ask, "**How many** apple slices do you **notice** on your plate? On my plate?" Encourage your child **count the number** of apple slices on each plate.

Give your child the lead to **count**!

- Add **one more** apple slice to **one** plate and ask, "Who has **more** apple slices?"
- Add **three more** apple slices to the other plate and ask, "Who has **less** apple slices? How do you know?"
- Say, "I wonder **how high** you can stack these apple slices. Let's try and find out."
- Ask, "**How many** apple slices are on your plate?"
- If children **count** the slices accurately, ask "So, **how many all together**?"
- Support children in understanding the principal of **cardinality** by gesturing to **all** the apple slices together.
- If children need support **counting one by one**, point to each apple as children count, correcting as needed.

Make sure to provide praise and encouragement for children's efforts and progress. You can say "Wow! I like the way you **count**. You **counted** the apple slices by saying the **numbers** aloud. I knew that you could do it!"



SIX-DINNER SID

ACTIVITY IDEAS FOR STORYBOOK CONVERSATIONS WITH YOUR YOUNG CHILD

FOLLOWING HANDWASHING STEPS

Description: Help your child recognize that there are **steps** in daily routines. Encourage your child to follow the steps. “**First**, handwashing, **then** mealtime.” Use cues to help your child follow the steps if needed.

What My Child Is Learning!

Computational thinking is the method used to problem-solve by determining ‘what’, ‘how’, and ‘why’.

Talk about the importance of following **steps**, a type of **sequence**. “By washing our hands **first**, we will know the food we make is safe to eat.” Ask, “What do you think **will happen** if we **miss a step**?”

Ask “**What should we do first? Next? Then what? Last?**” It might be fun to do **one step out of order** (like drying your hands before you turn on the water) and see if your child notices. Having pictures to show each step (turn on water, run hands under water, get soap, lather soap, rinse hands, turn off water, get towel and dry hands) can also be really helpful.

ADDITIONAL ACTIVITY IDEAS:

- Visit a grocery store and explore the variety of apples.
- Visit an apple orchard.
- Check out our [Daily Routine Explorations](#): Apples for STEM building activities related to apples. Bon Appétit!
- Check out these books about apples:
 - *Apples* by Gail Gibbons
 - *An Apple's Life* by Nancy Dickman
 - *Applesauce Day* by Lisa Amstutz

