The background features a white background with several colorful circles and dashed lines. A large teal circle is in the top left, a green circle is in the top right, a yellow circle is in the bottom right, and a green circle is in the bottom left. There are also smaller circles in blue, orange, and pink. Dashed lines in teal, green, and yellow connect some of the circles.

Using Technology to Enhance Literacy in Young Learners

Gail Lovely

GailLovely@SuddenlyItClicks.com

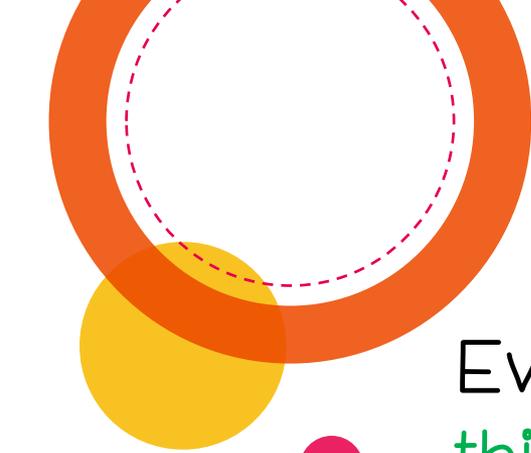
SuddenlyItClicks.com

Favorite children's books

mapped by home location of
attendees during the session

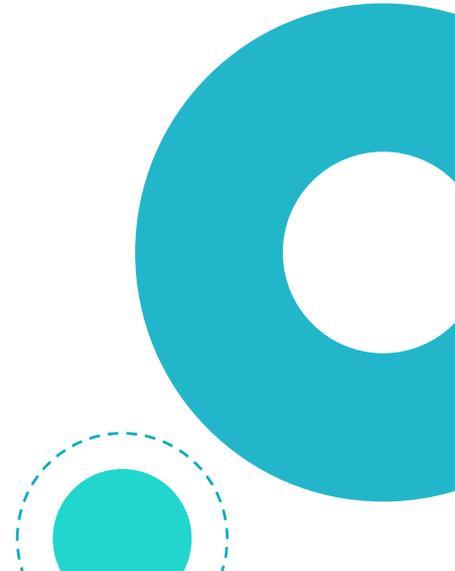
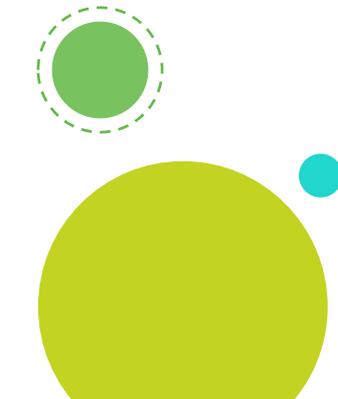
<https://bit.ly/favbooksforlittles>





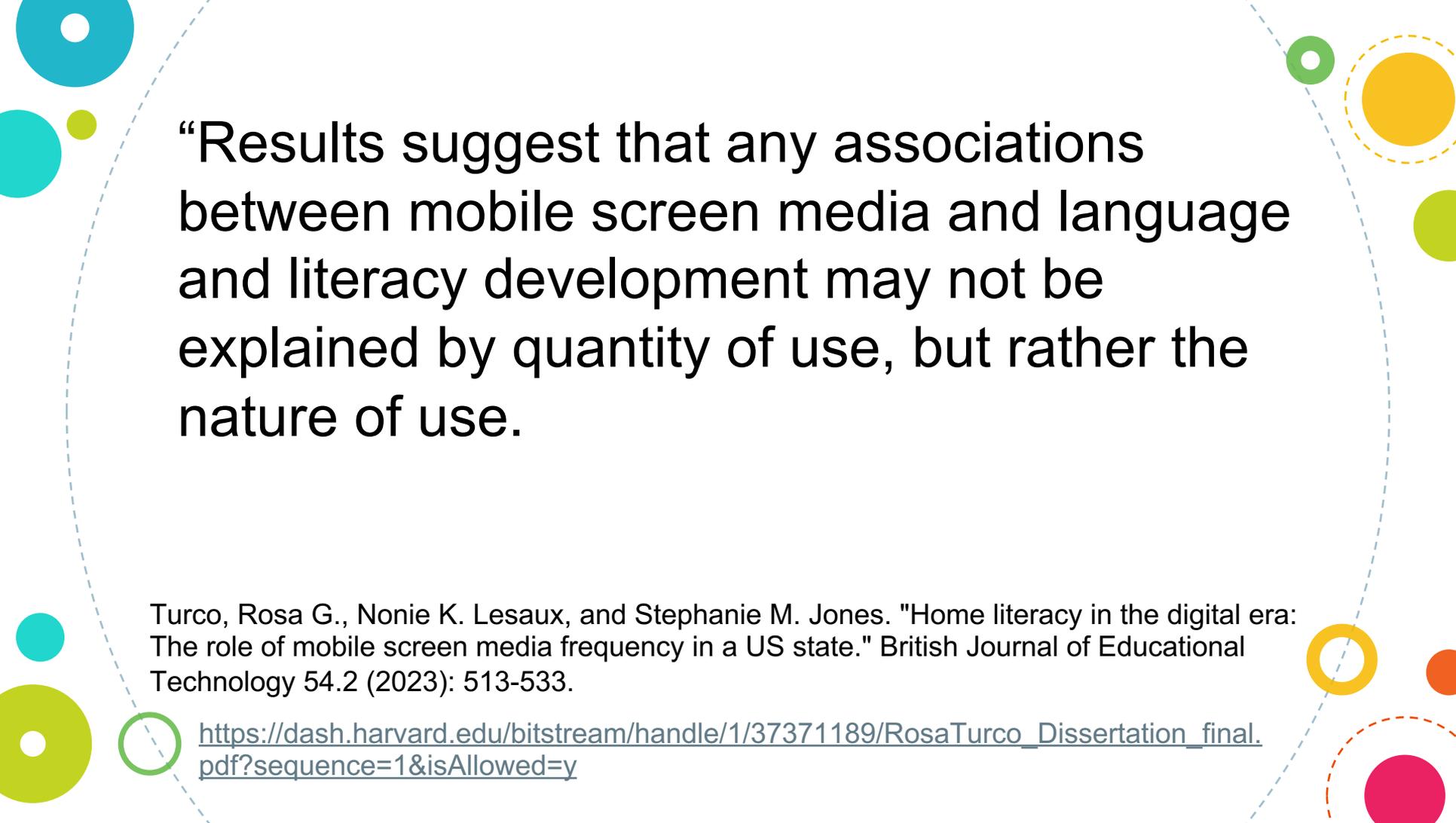
Quick Goals

- Everyone **learns something**, **thinks about something**, **shares something**, **wonders about something**, *mostly* related to little learners and the roles of technologies in literacy and learning.





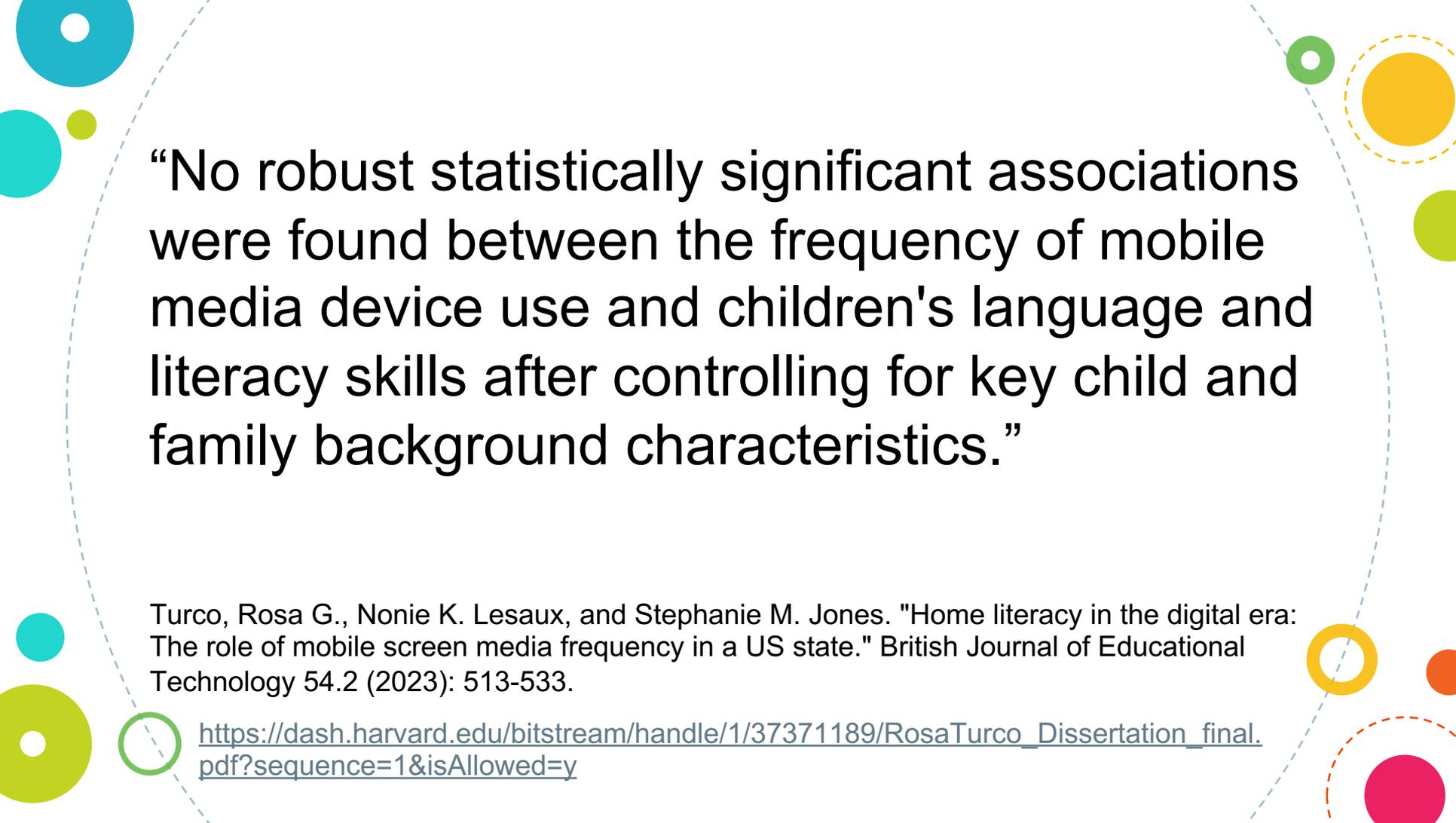
What does
“research” say
about technologies
and literacy?

A decorative graphic consisting of a large, light blue dashed circle that frames the text. Scattered around this circle are various smaller circles in different colors: teal, yellow, green, orange, and pink. Some of these circles are solid, while others are hollow or have dashed outlines. The overall aesthetic is modern and educational.

“Results suggest that any associations between mobile screen media and language and literacy development may not be explained by quantity of use, but rather the nature of use.

Turco, Rosa G., Nonie K. Lesaux, and Stephanie M. Jones. "Home literacy in the digital era: The role of mobile screen media frequency in a US state." *British Journal of Educational Technology* 54.2 (2023): 513-533.

https://dash.harvard.edu/bitstream/handle/1/37371189/RosaTurco_Dissertation_final.pdf?sequence=1&isAllowed=y

The background features a large, light blue dashed circle that frames the central text. Scattered around this circle are various smaller circles in shades of teal, yellow, green, and pink. Some of these circles are solid, while others are hollow or have dashed outlines. The overall aesthetic is modern and educational.

“No robust statistically significant associations were found between the frequency of mobile media device use and children's language and literacy skills after controlling for key child and family background characteristics.”

Turco, Rosa G., Nonie K. Lesaux, and Stephanie M. Jones. "Home literacy in the digital era: The role of mobile screen media frequency in a US state." *British Journal of Educational Technology* 54.2 (2023): 513-533.

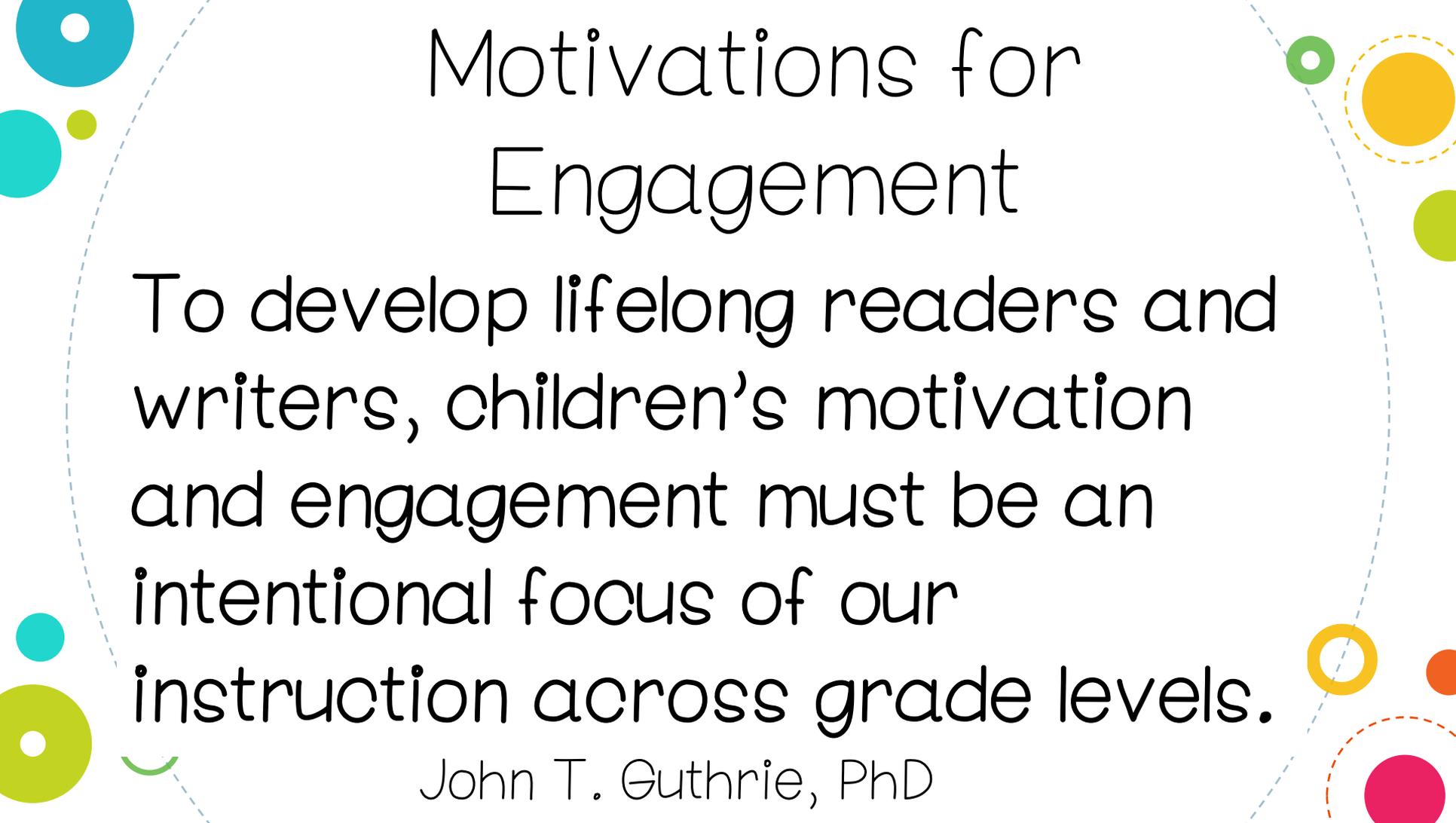
https://dash.harvard.edu/bitstream/handle/1/37371189/RosaTurco_Dissertation_final.pdf?sequence=1&isAllowed=y

A decorative border surrounds the text, consisting of various colored circles (blue, green, yellow, orange, pink) and dashed lines in light blue and grey.

Motivations for Engagement

Intrinsic motivation – Interest
Self-Efficacy – Confidence
Value – Importance
Prosocial – Collaboration

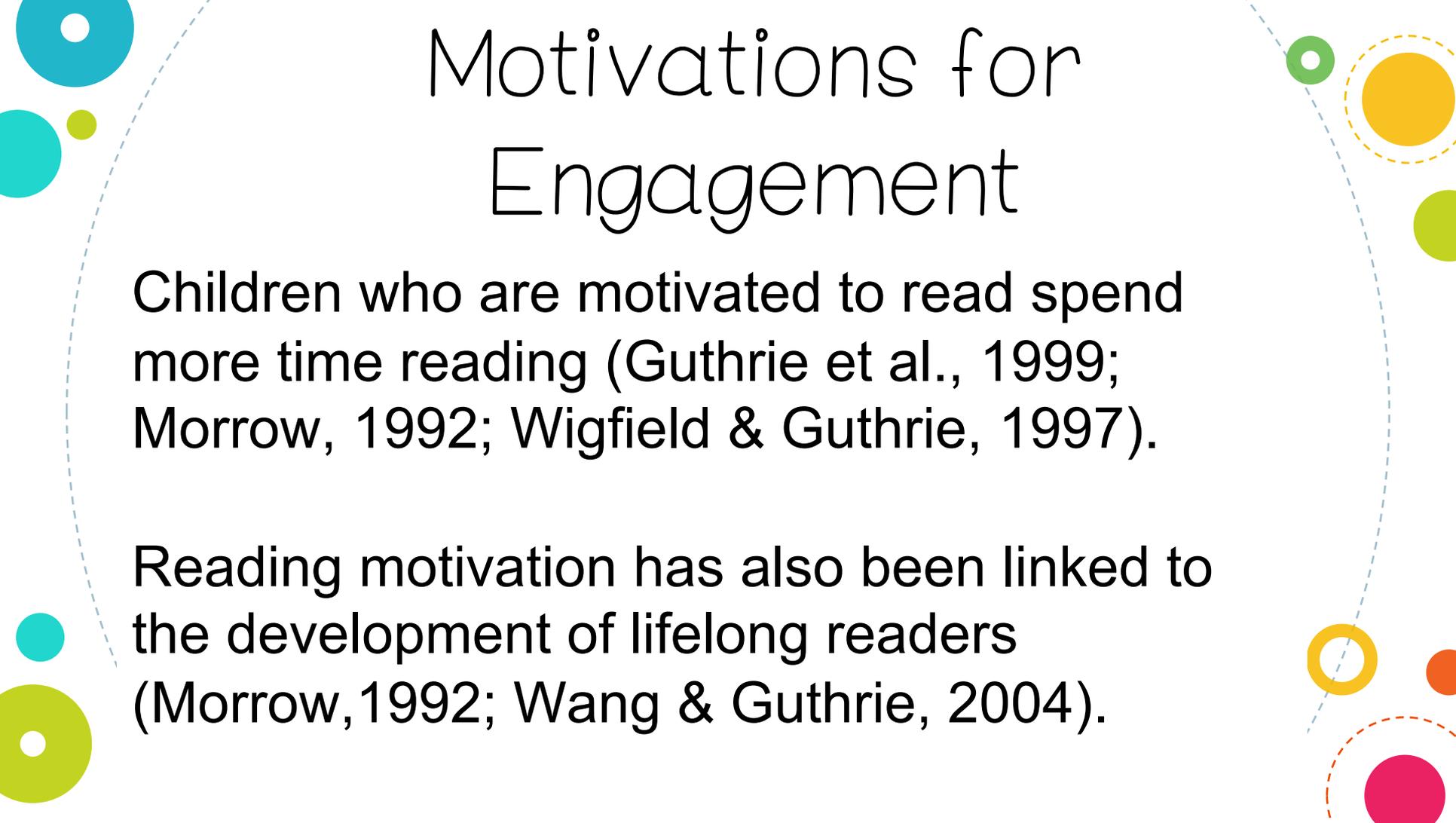
John T. Guthrie, PhD

A decorative graphic consisting of a large, light blue dashed circle that frames the text. Scattered around the perimeter of this circle are several smaller, solid-colored circles in shades of teal, yellow, green, orange, and pink. Some of these smaller circles are also surrounded by dashed lines of the same color as the circle they are near.

Motivations for Engagement

To develop lifelong readers and writers, children's motivation and engagement must be an intentional focus of our instruction across grade levels.

John T. Guthrie, PhD

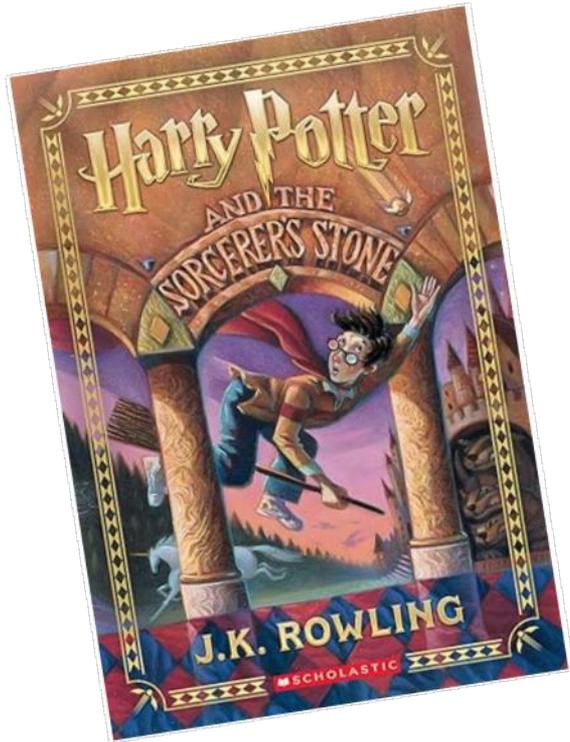


Motivations for Engagement

Children who are motivated to read spend more time reading (Guthrie et al., 1999; Morrow, 1992; Wigfield & Guthrie, 1997).

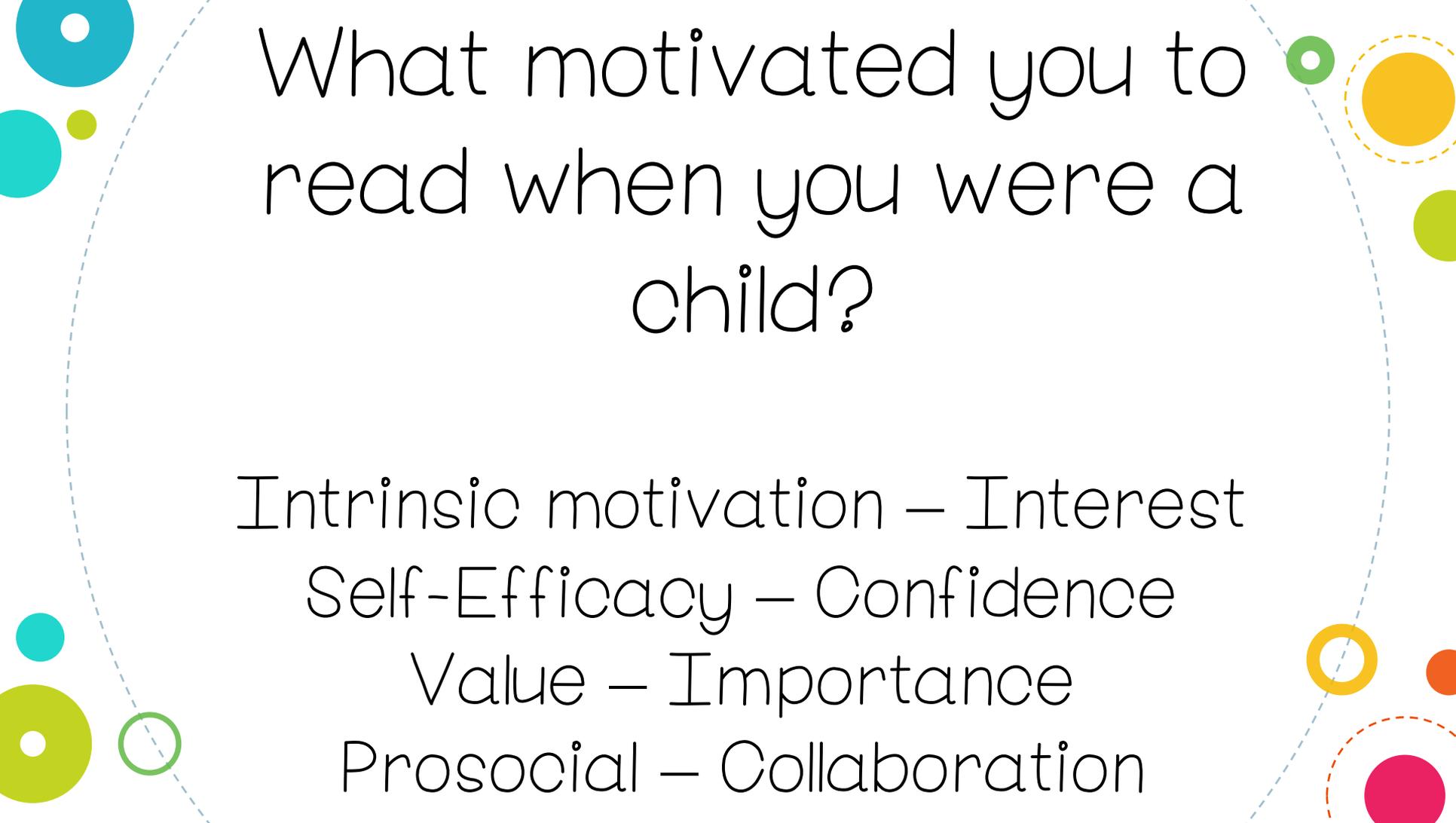
Reading motivation has also been linked to the development of lifelong readers (Morrow, 1992; Wang & Guthrie, 2004).

Motivations for Engagement



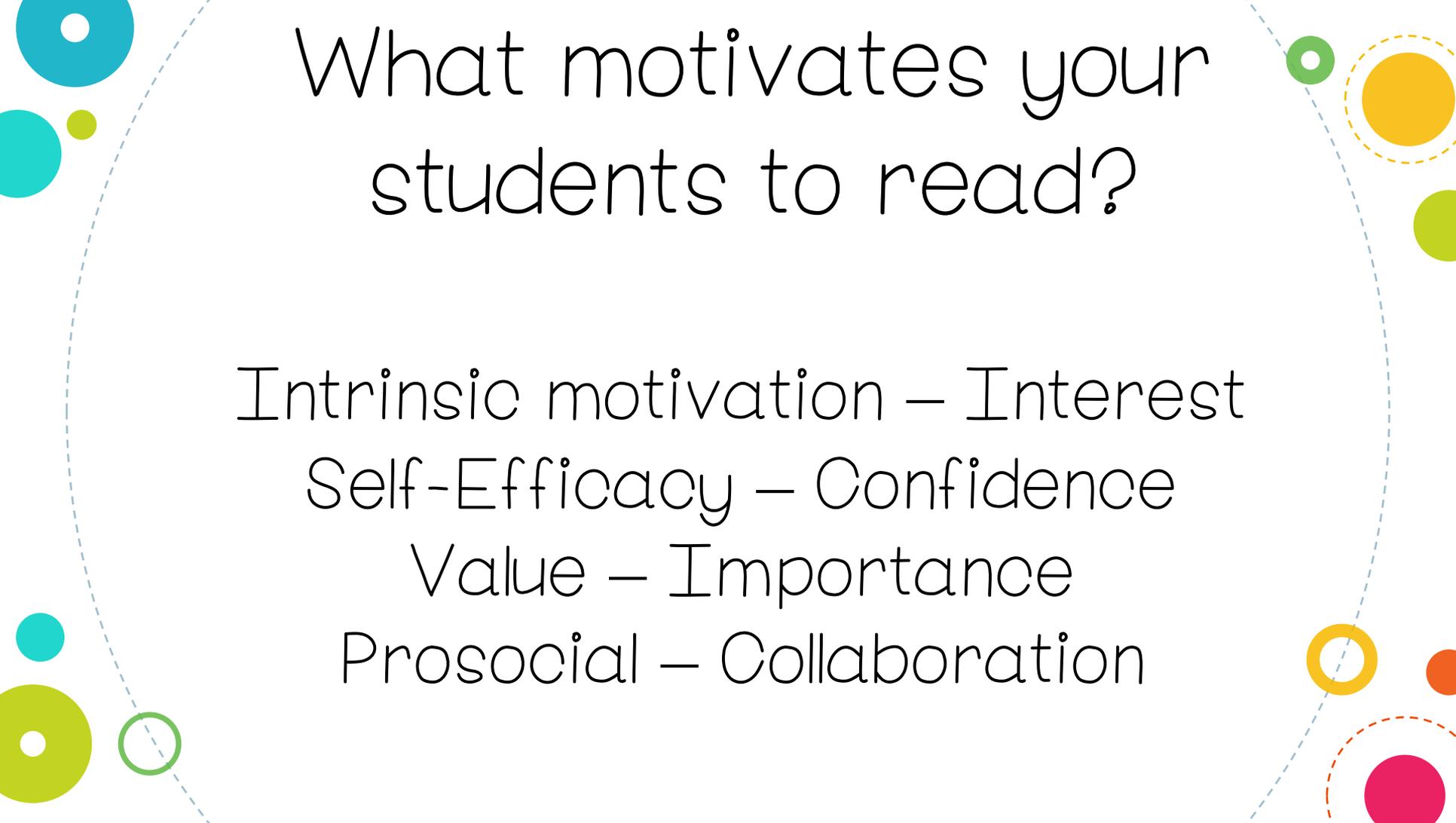
Would you assign a 320 page book to an 8 year old?

<https://matthewomara.com/2015/07/24/harry-potter-misconceptions/>

The slide features a decorative border composed of various colored circles (blue, green, yellow, orange, pink) and dashed lines in light blue and green, framing the central text.

What motivated you to
read when you were a
child?

Intrinsic motivation – Interest
Self-Efficacy – Confidence
Value – Importance
Prosocial – Collaboration

A decorative graphic featuring a large, light blue dashed circle that frames the text. The background is white. Scattered around the circle are various colored circles: teal, yellow, green, orange, and pink. Some are solid, some are hollow, and some have dashed outlines. The text is centered within the circle.

What motivates your
students to read?

Intrinsic motivation – Interest
Self-Efficacy – Confidence
Value – Importance
Prosocial – Collaboration



we are at a
TECH
conference!



Cameras!

Simplest Tech Tool, available and easy

We shared images from our phones
with each other without telling
ANYTHING about them

Then we discussed the importance
of adding the story of the pictures,
and how important that is for
children too.



Simple can be good!

1. Use a camera (with internet access) to take a picture of something that starts with the sound /t/.
2. Using the same device, go to <http://bit.ly/lovelyteatime>.
3. Add your image to the Padlet.
select +
select the photo icon
add your picture
add a caption or subject
select “publish”



More than Cameras!

Pictures trapped in devices (OR trapped on paper) without their “stories” lack meaning and power.

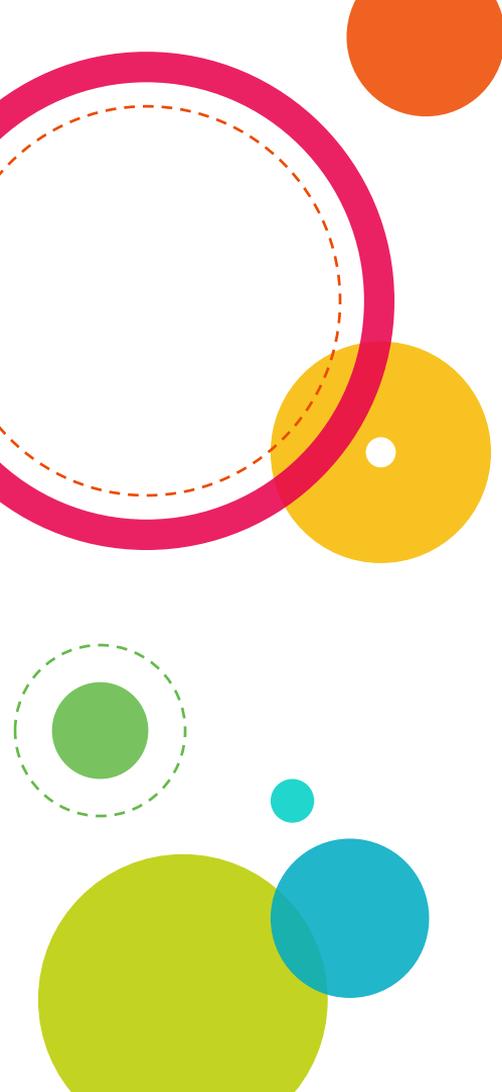
Tools for creating images also can add to options for some learners.

Approach:

Leveraging technology to enhance/enable/improve already valued activities and experiences.



(like these student created books using teacher transcription of the text)

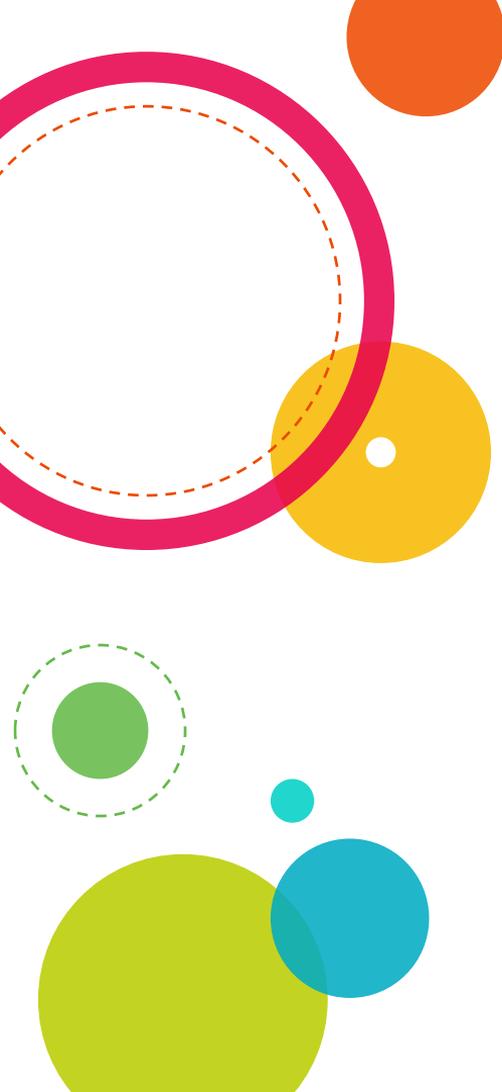


Experience Goal

Provide young learners with meaningful shared experiences with audiences beyond their teacher.

Technology Goal:

Use a very reusable tool which provides access beyond text and image.



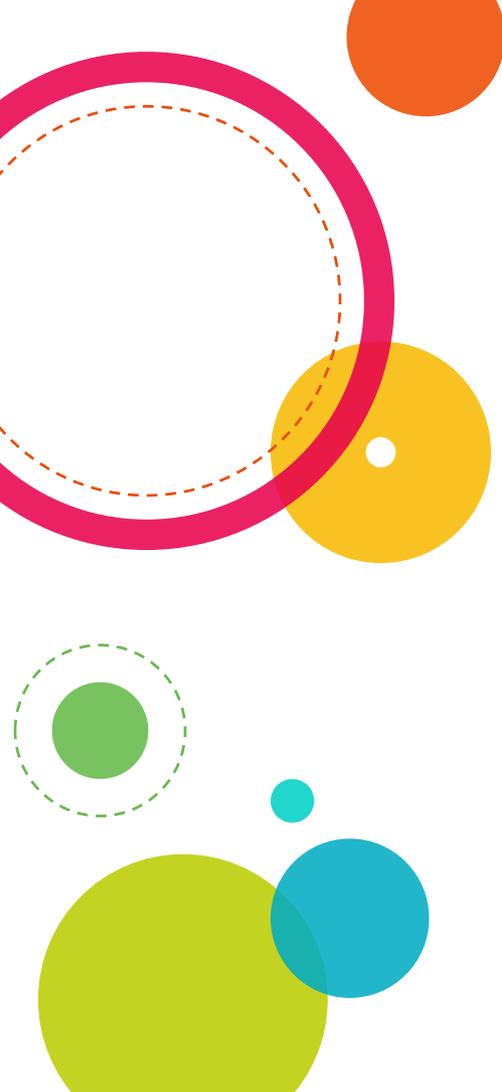
An example

A class of 3- and 4-year olds and their teacher created an animal book using crayons and Cherokee and English languages, (AND animal languages too).





Teacher doing the written narration with the student doing the oral narration on a crayon-drawn book page.



The Why

Giving children voice and choice and publishing their work for all to see empowers them and furthers their language experience and fluency.





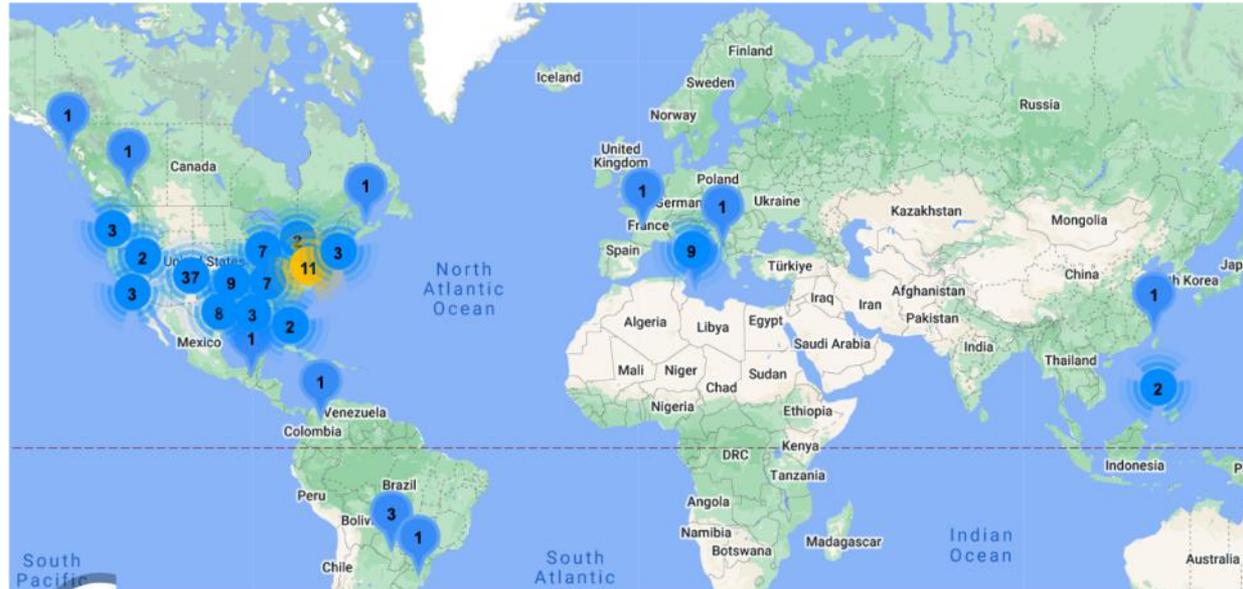
During Naptime they
became published
authors...



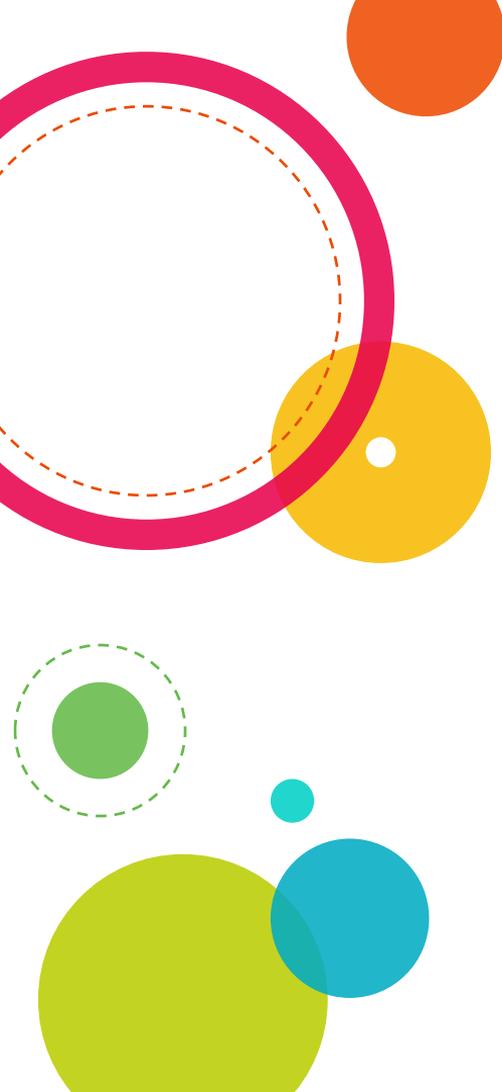
<https://bit.ly/CherokeePreschoolbook>



The Audience

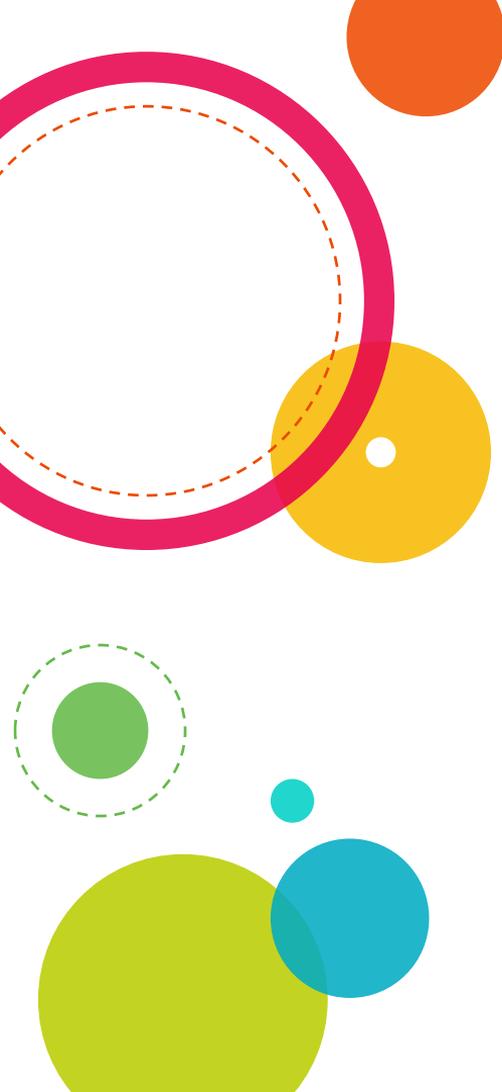


123 reads in 13 countries



The Tool

Book Creator (bookcreator.com) 
(free and paid versions)

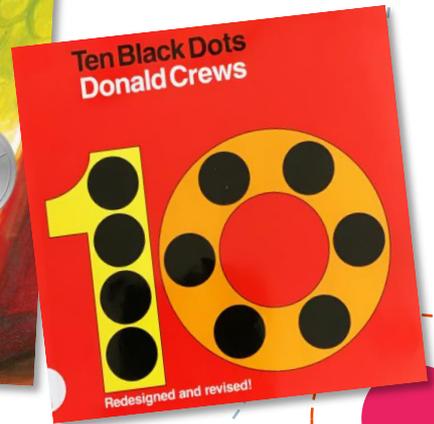
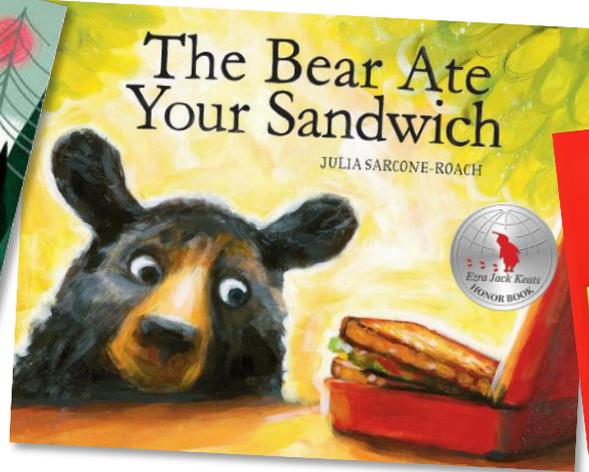
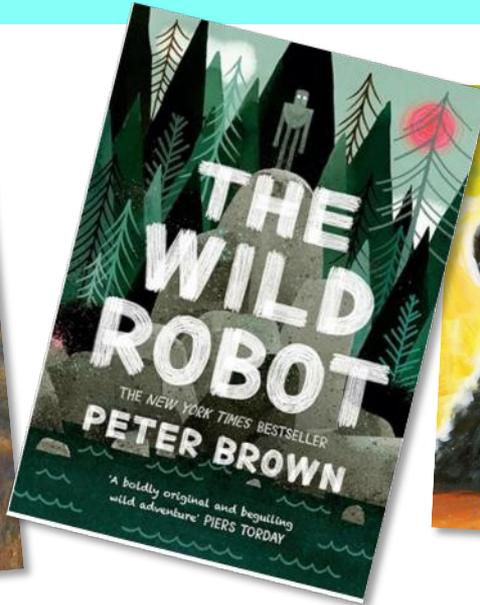
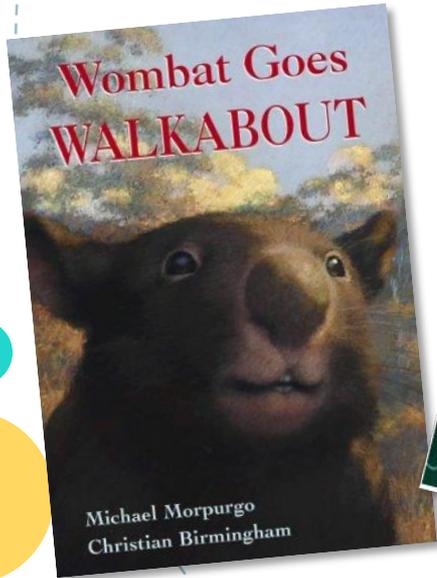
A decorative graphic on the left side of the page consists of several overlapping circles in various colors: orange, yellow, green, and blue. Some circles have dashed outlines, and one large circle has a thick pink border. The circles are arranged in a way that they appear to be floating or overlapping each other.

Benefits:

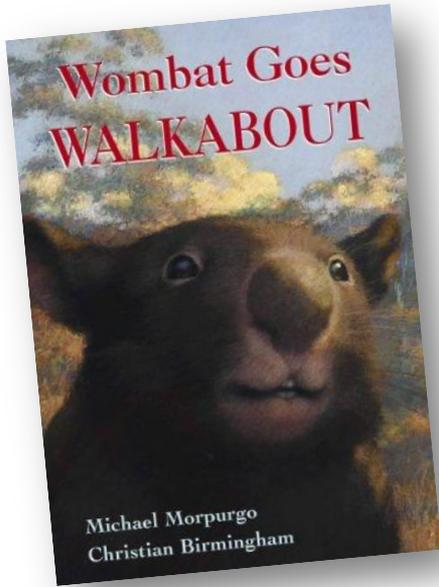
Capturing voice and text leads to language connections, especially with young learners.

Having student work shared online, provides extended family access and opportunities for engagement around school skills and topics.

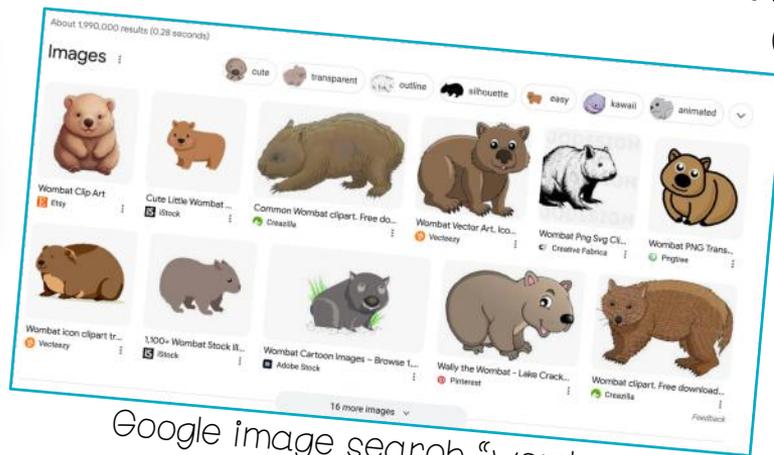
Books, I LOVE Them...



What do “we” know about wombats?

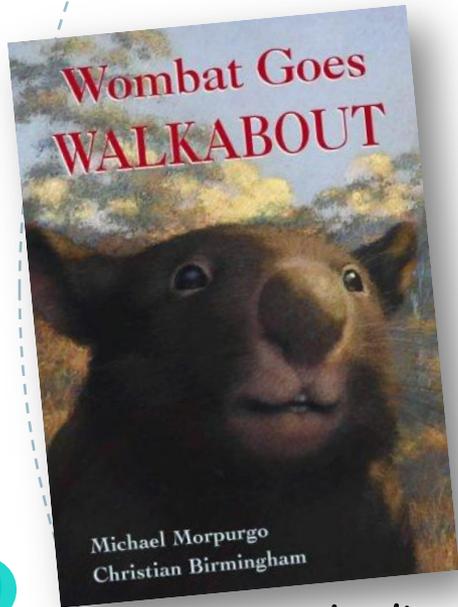


Work it out Wombats!
(PBS)



Google image search “wombat”

What do “we” know about wombats?



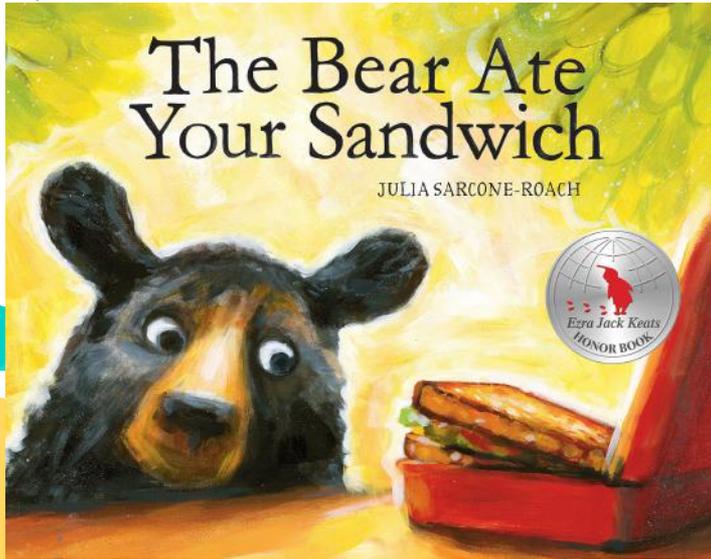
How do we know about wombats?

What is “real” & what is “not-real”
about wombats?

What do we wonder about wombats?

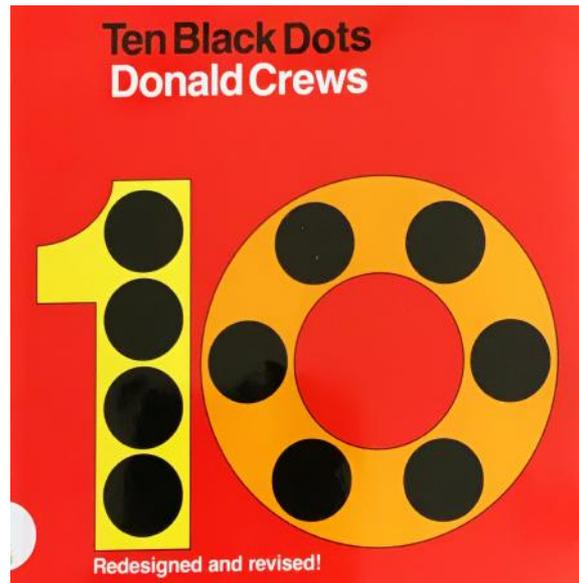
<https://bit.ly/wombatcopy>

How can we make paper-based books more interactive, more informative, fertile ground for sharing?



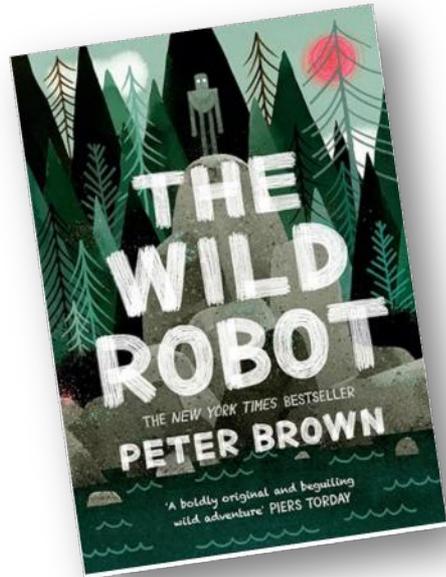
<https://padlet.com/glovely/bearprediction1>

How can we make paper-based books more interactive, more informative, fertile ground for sharing?



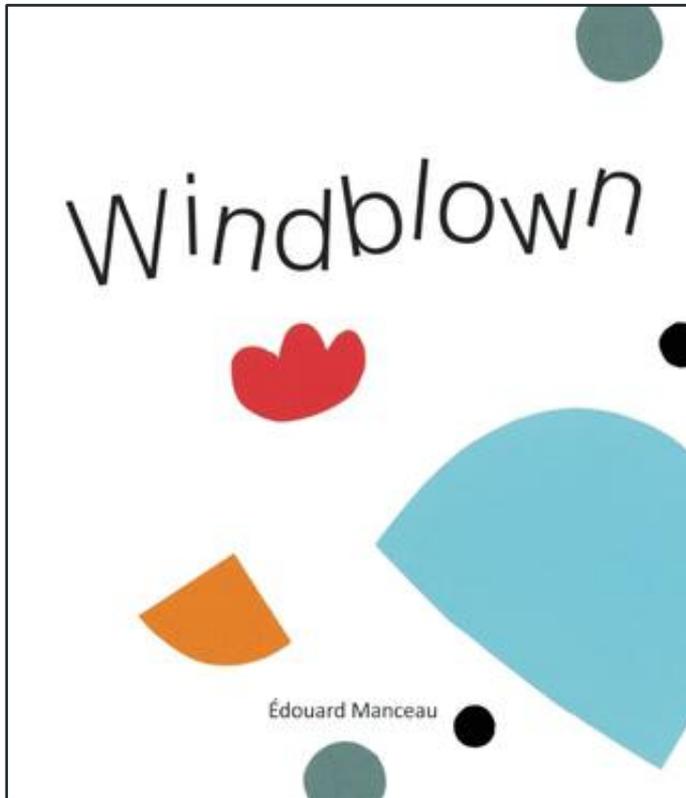
<https://bit.ly/tendotsplaycopy>

How can we make paper-based books more interactive, more informative, fertile ground for sharing?



<https://bit.ly/wildrobotthoughts>

How can we make paper-based books more interactive?



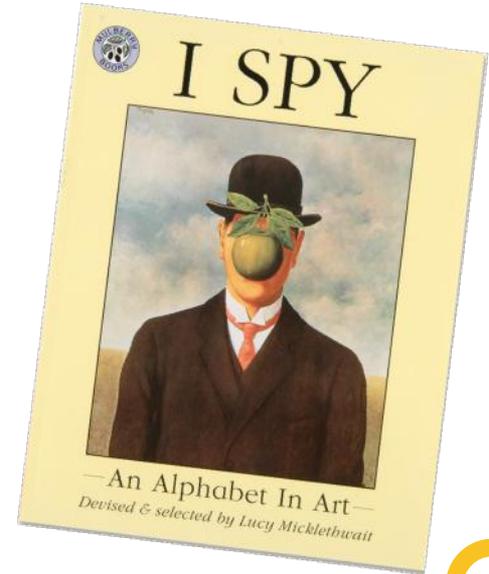
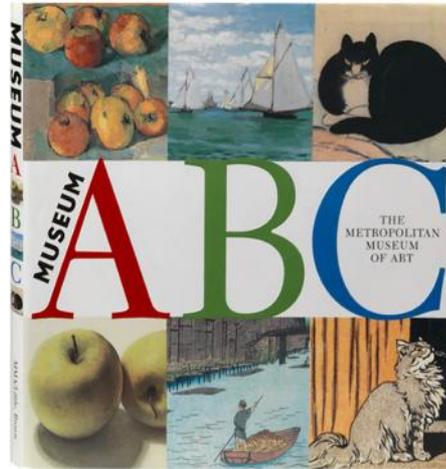
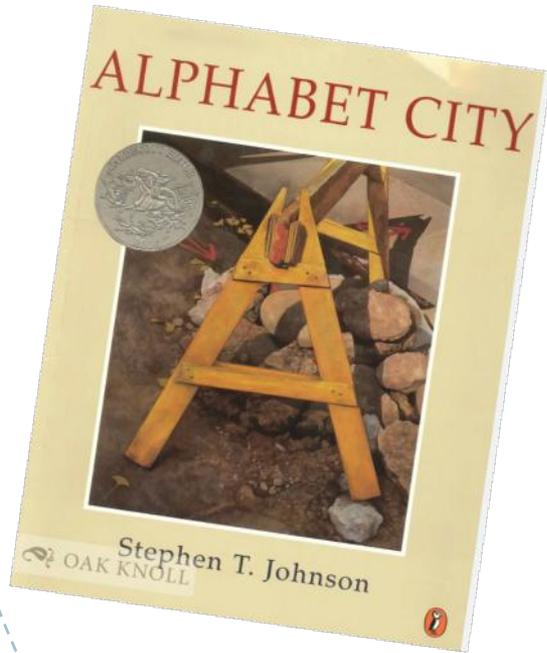
<https://read.bookcreator.com/1BUQQAjZqpYbgOelChQOuzc17rg2/6liuhhVuS4SebYJyL9ucSw>

Can we leverage
alphabet books and tech?

The answer
is YES!

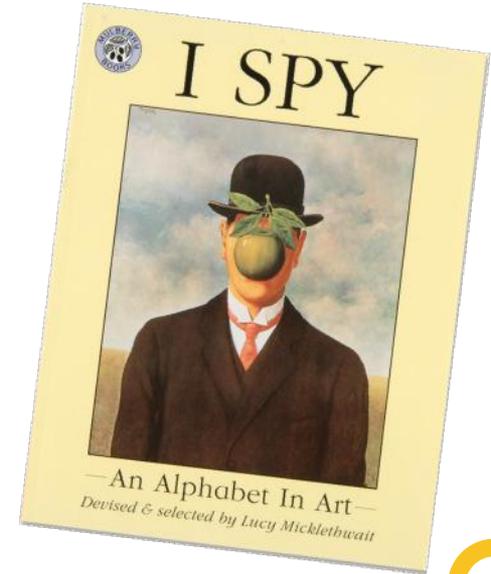
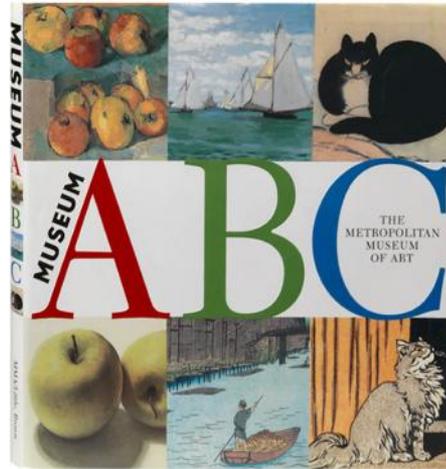
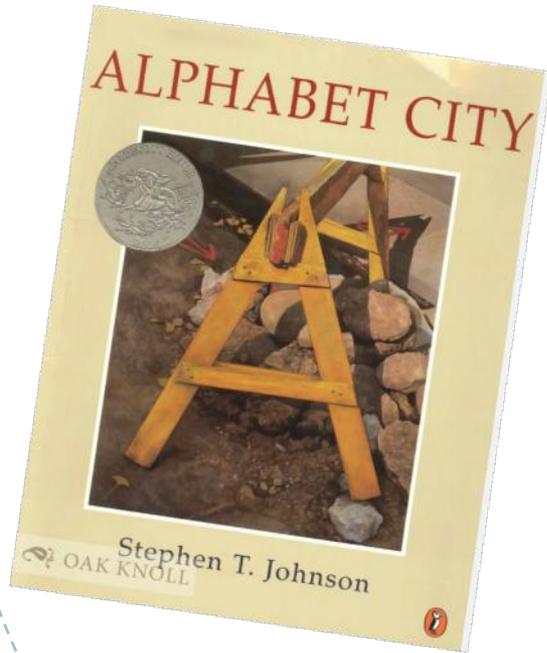


How can we leverage alphabet books and tech?



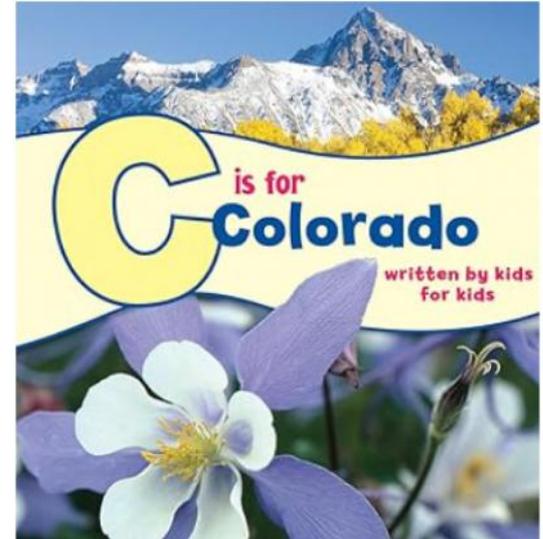
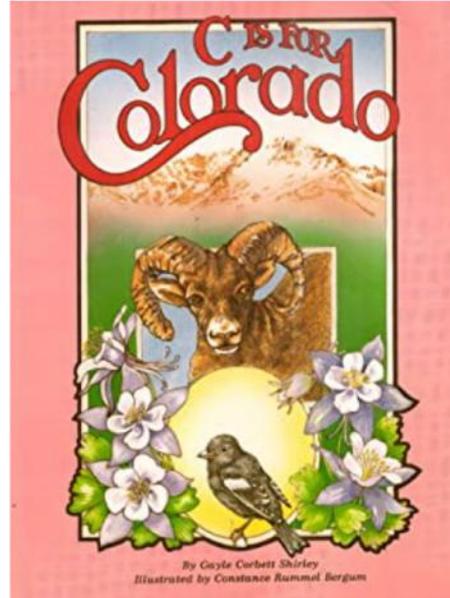
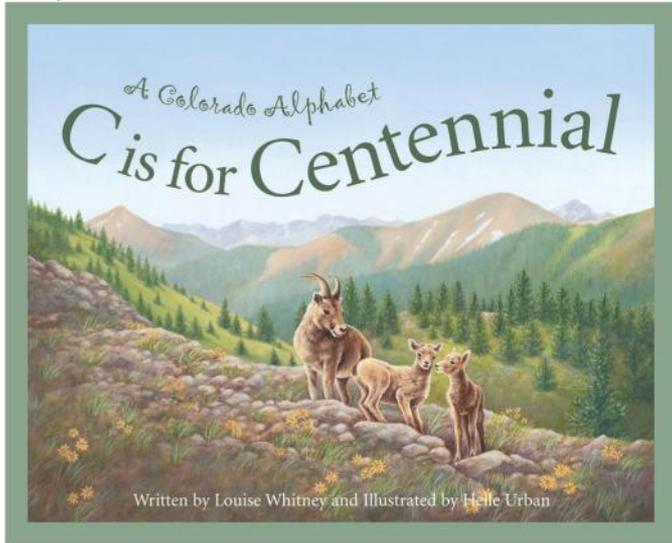
Give purpose to photography, find letters in places visited, both daily and on special trips.

How can we leverage alphabet books and tech?



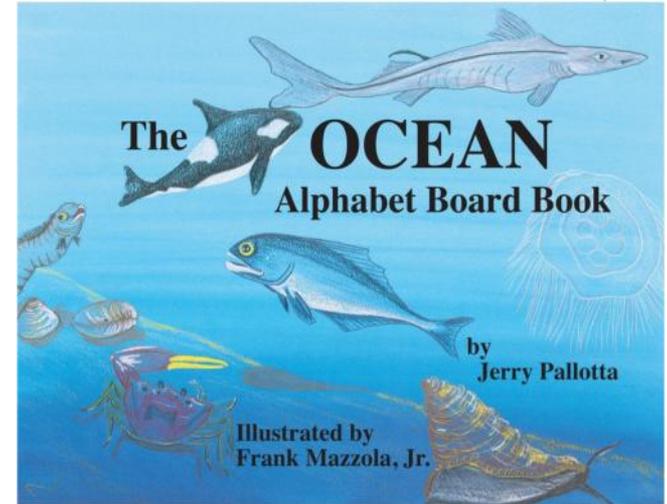
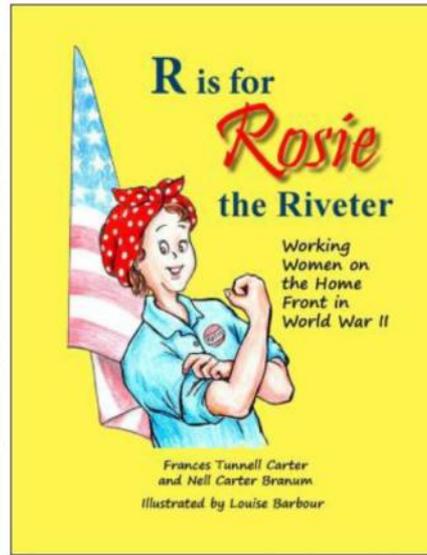
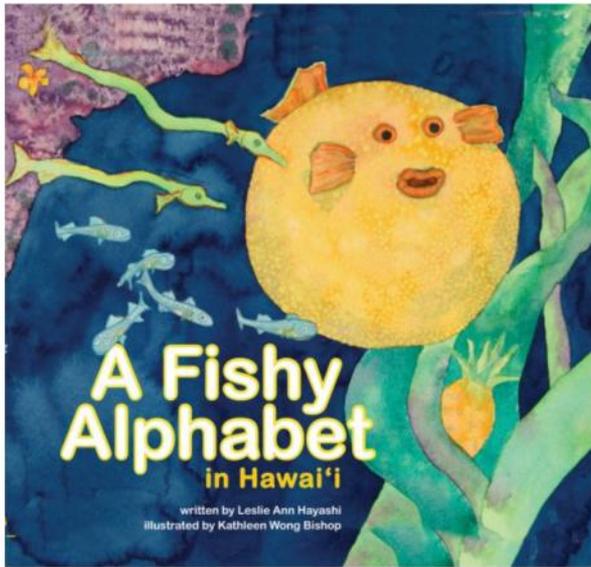
Give purpose to photography, find letters in places visited.

How can we leverage alphabet books and tech?



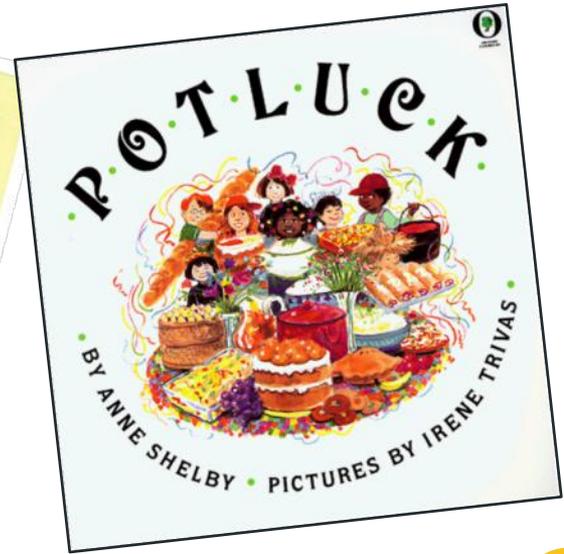
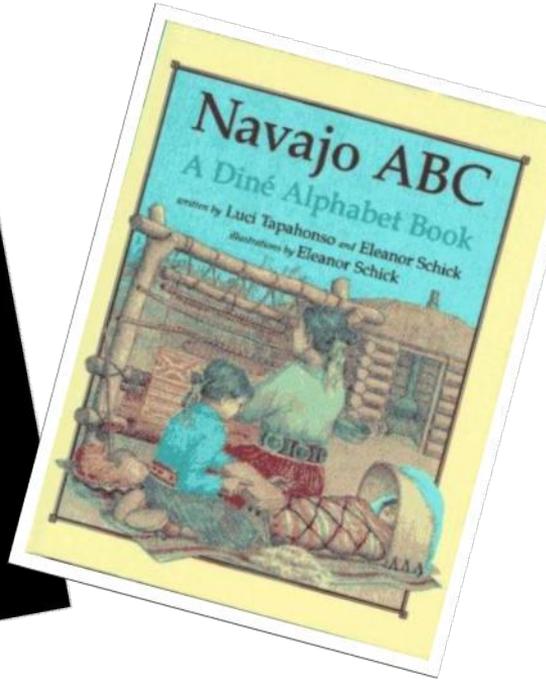
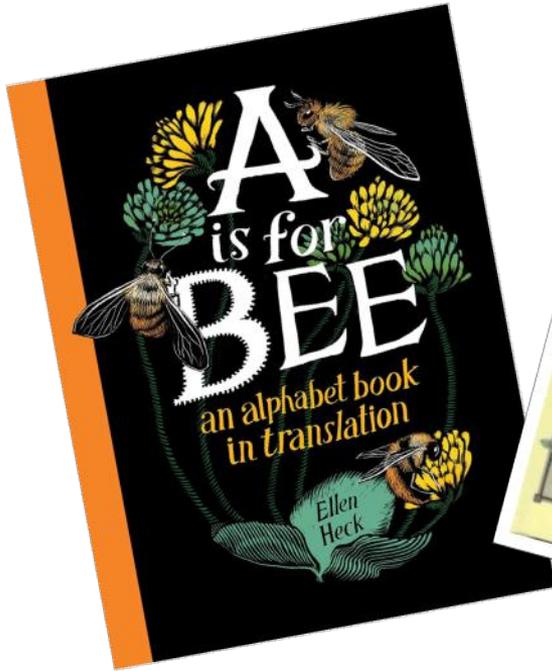
Give purpose to photography in local area.

How can we leverage alphabet books and tech?

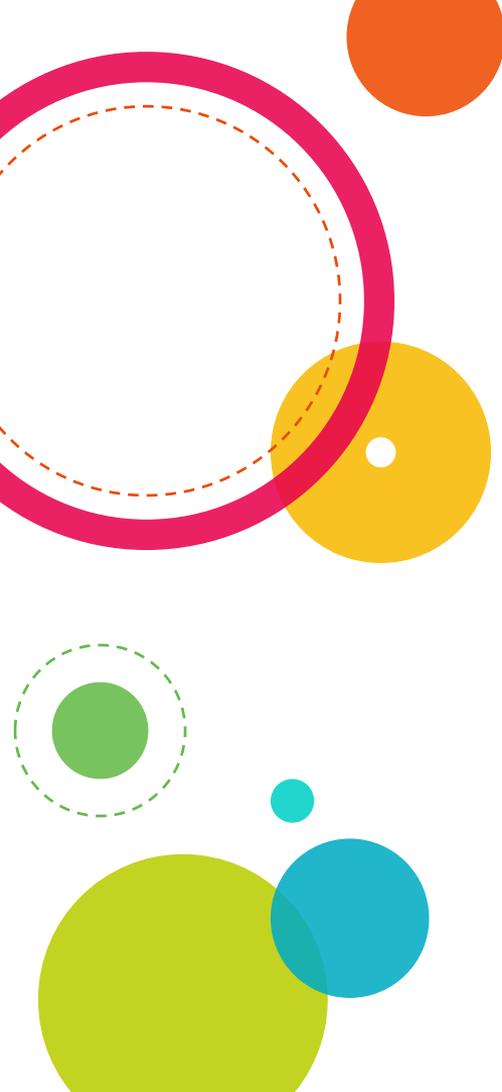


To share content knowledge with others in an ABC Book format.

How can we leverage alphabet books and tech?

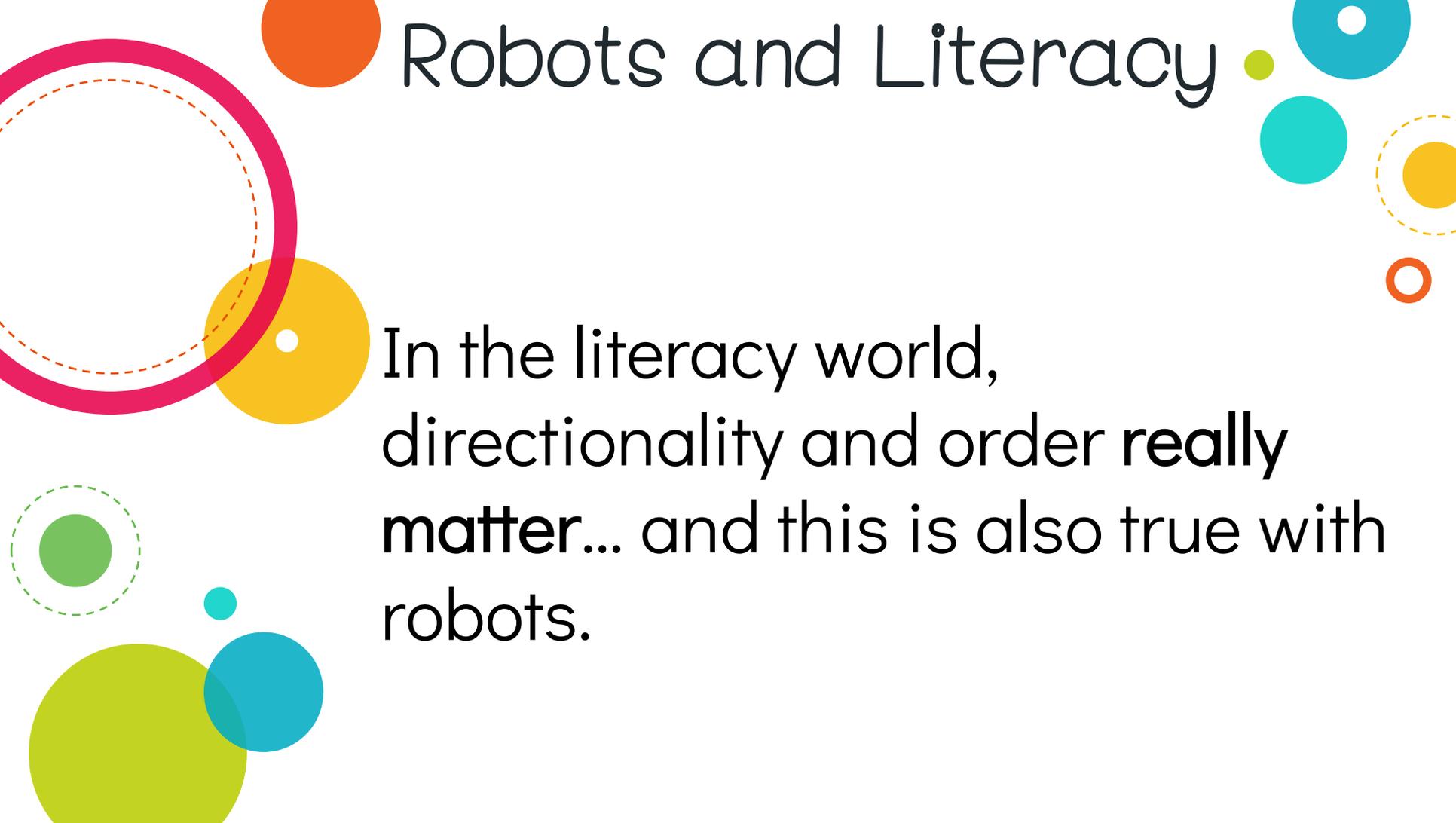


To share languages and cultures with others.

A decorative graphic on the left side of the slide features several overlapping circles in various colors: orange, yellow, green, and blue. Some circles have dashed outlines, and there are also solid colored dots scattered around. The overall style is modern and playful.

Robots and Literacy

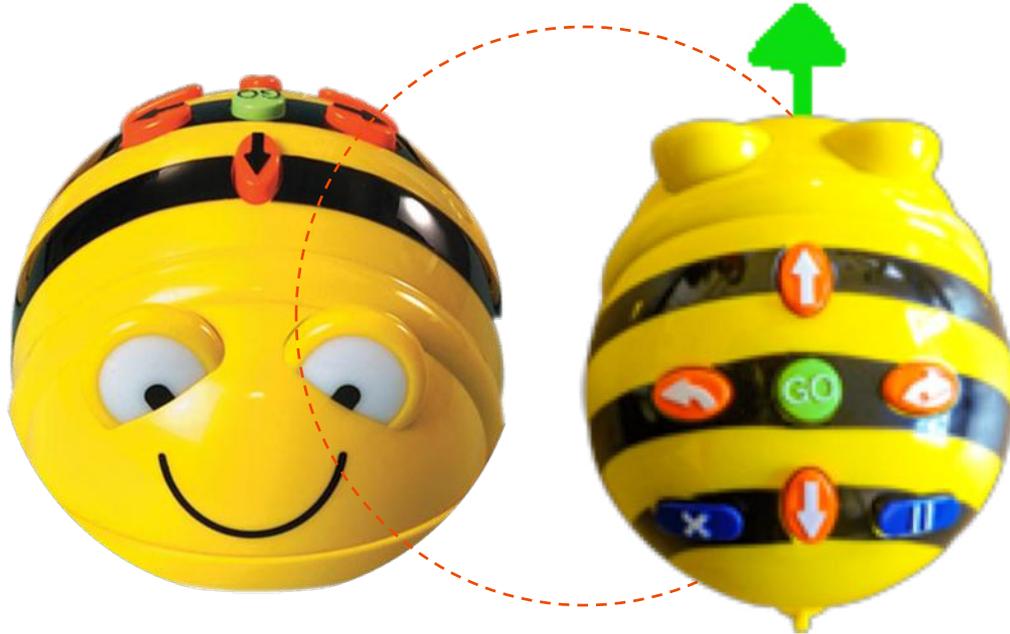
Coding allows children to develop computational thinking skills by engaging in activities like creating algorithms, which enhance their sequencing abilities—crucial for both reading and mathematics.

A decorative graphic consisting of several overlapping circles in various colors (orange, yellow, green, blue, pink) and dashed lines of the same colors, scattered across the slide.

Robots and Literacy

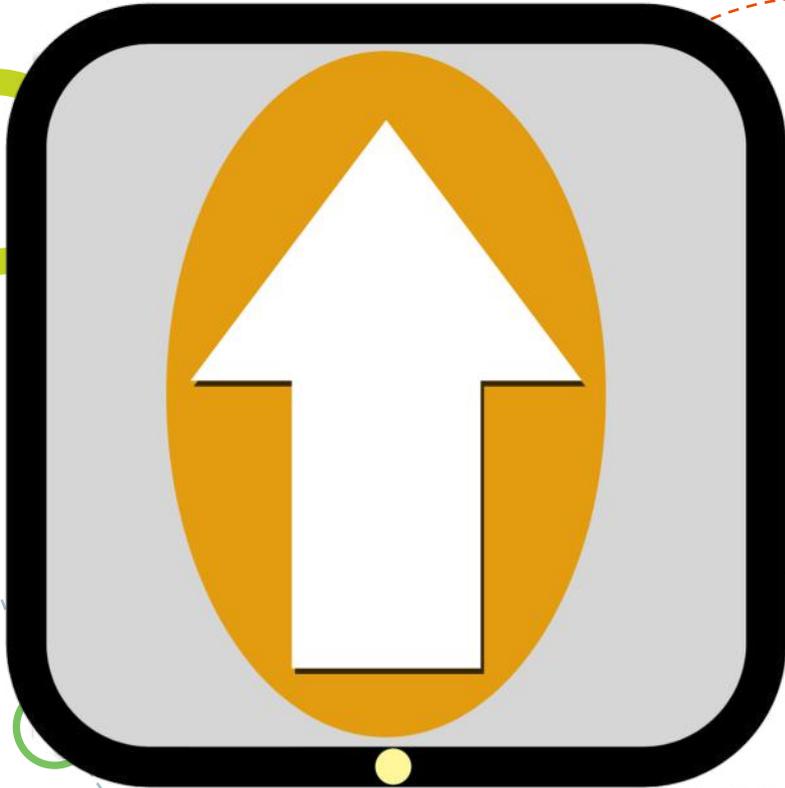
In the literacy world,
directionality and order **really matter**... and this is also true with
robots.

Robotics



Bee-Bot (as an example)

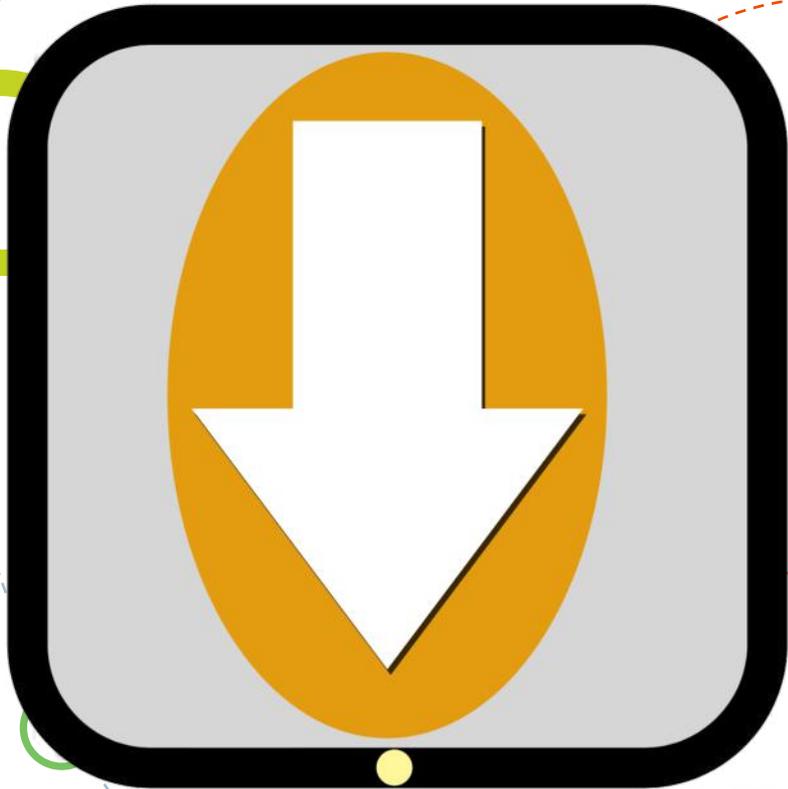
directionality



forward

Note: the little yellow dot is to help children hold the "tile" with the button to the button" (the dot (button) side close to their belly button) because directionality matters.

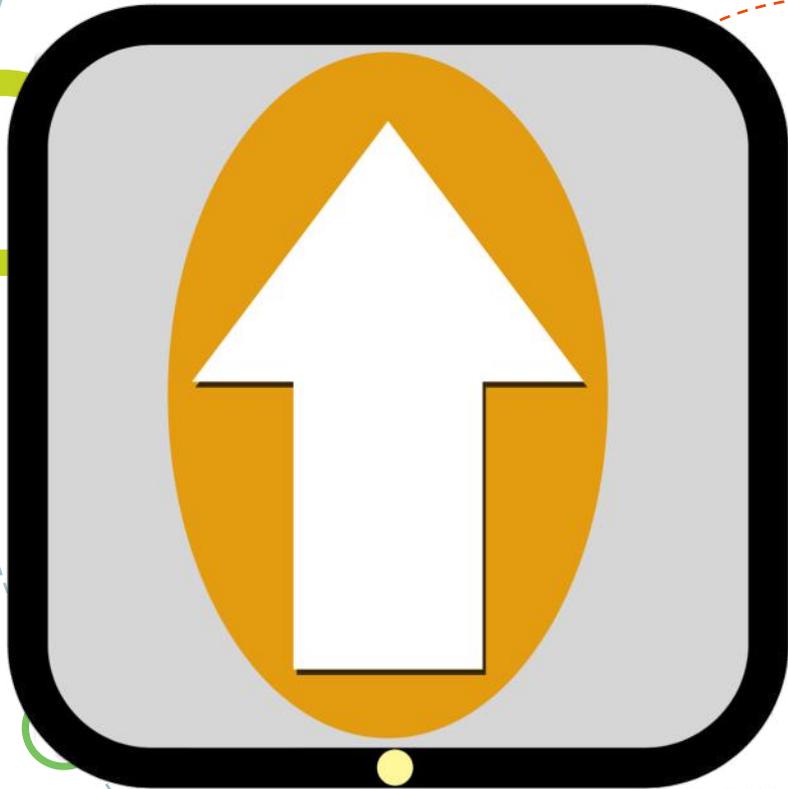
directionality



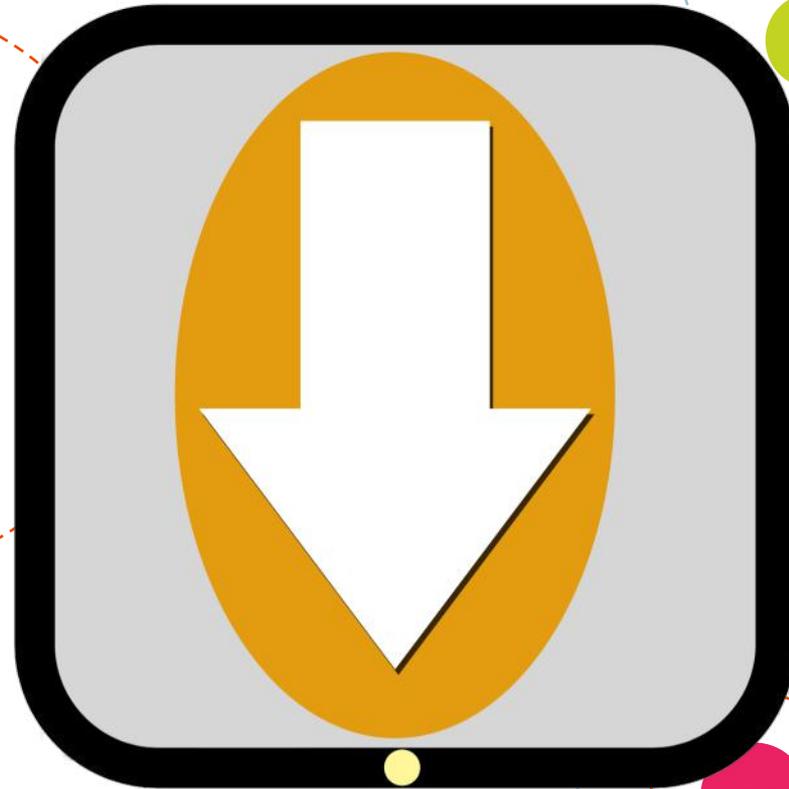
Backward

Note: the little yellow dot is to help children hold the "tile" with the button to the button" (the dot (button) side close to their belly button) because directionality matters.

directionality

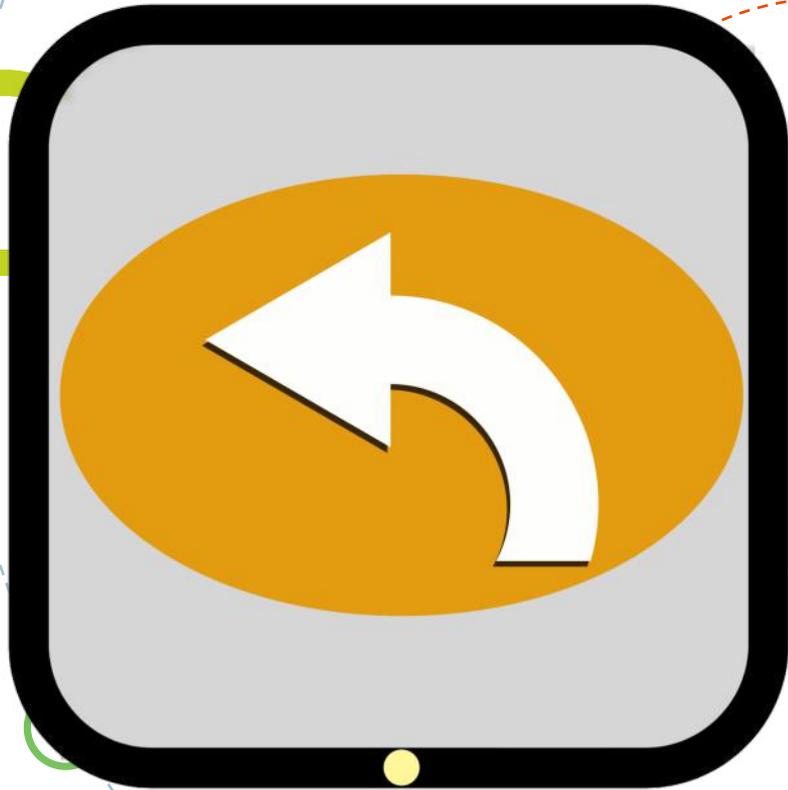


Bee-Bot Style

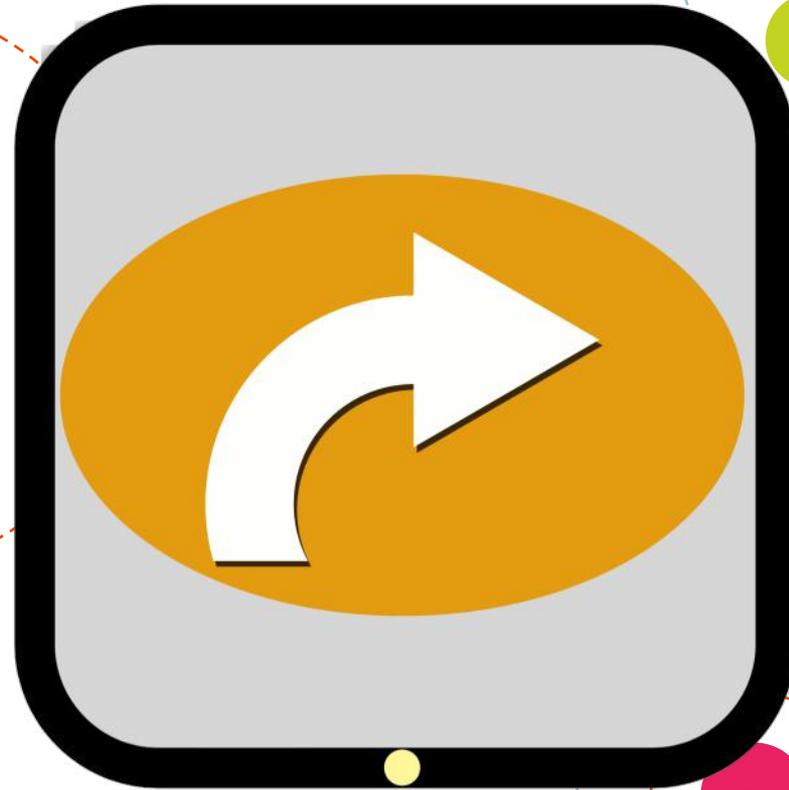


Bee-Bot Style

directionality

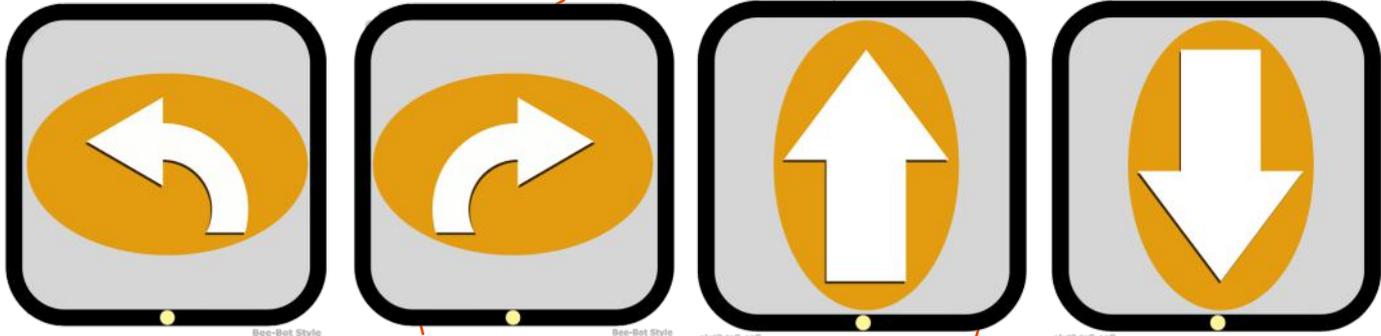


Bee-Bot Style



Bee-Bot Style

directionality



d

b

p

q

Directionality is important and a noticed detail in robotics AND in literacy

Bee-Bot Mystery Number

FFRBLFFRFLFLFFFRRBRFF

7	13			8	
		5			11
3	12			4	
	14		9		10
			6		
2		1		15	

Follow the code,
Where does the
Robot end up?

Order matters

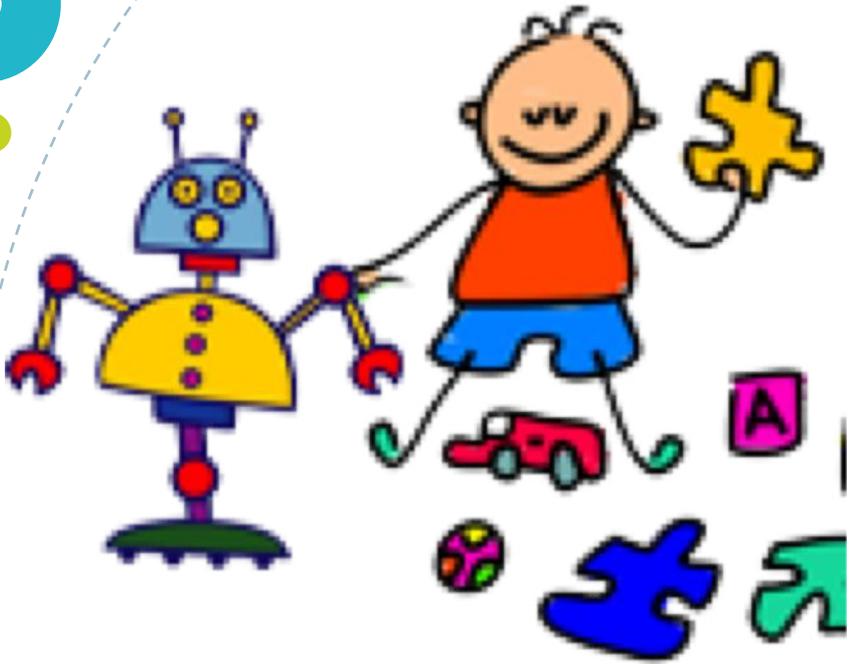
7	13			8	
		5			11
3	12			4	
	14		9		10
			6		
2		1		15	

FLFFL

6

LFFFL

1



Be careful about
books about
robots for young
children...

Robots are not our friends...
Robots are not boys or girls...
Robots are not alive...

But...HOW?

Share your Picture on Padlet



- 1 Scan the QR Code to open Our Padlet



- 2 Touch the plus icon. Then touch the add picture icon.



- 3 Touch the picture you want to add.



- 4 Touch **Publish**



- 5 We will share these together at circle time!



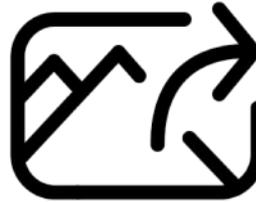
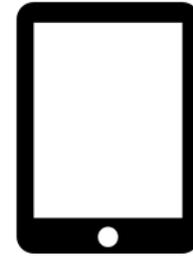
Use icons, the same icons, in support materials to lead learners toward independence.

Icons as support tools.

Collect a “set” of icons and use them over and over again...

Share your Picture on Padlet

- 1 Scan the QR Code to open Our Padlet
- 2 Touch the plus icon. Then touch the add picture icon.
- 3 Touch the picture you want to add.
- 4 Touch **Publish**
- 5 We will share these together at circle time!



Use re-usable tools

Book Creator (free/paid)

[Bookcreator.com](https://www.bookcreator.com)

Padlet (free/paid)

[Padlet.com](https://padlet.com)

Google Slides (or similar)

Beebots/Bluebots (or similar)



Use re-usable tools

Bitly
(free/paid)

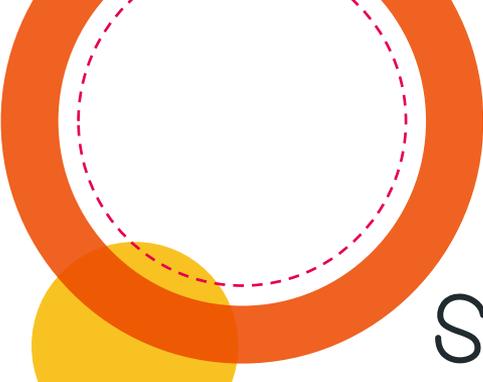
bitly.com

The Noun Project
(free/paid)

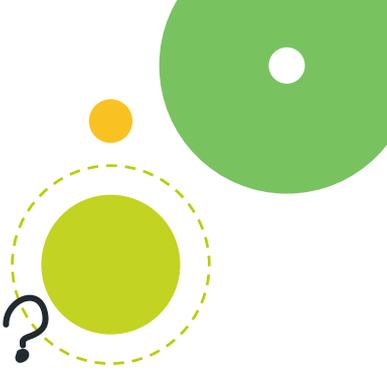
thenounproject.com

Not safe for student or family use!





SO what is the BIG idea?



ACTIVE use of technologies by learners



The background features several overlapping circles in various colors: orange, yellow, pink, green, lime green, and teal. Some circles are solid, while others are dashed. A large, light blue dashed circle is positioned behind the text.

We know we are using
technology well when
technology enables,
enhances, or
documents
learning by children

A decorative graphic featuring various colored circles (teal, blue, green, pink, orange, yellow) and dashed lines of different colors (teal, yellow, grey) scattered across the page. The circles vary in size and some are overlapping. The dashed lines form arcs and loops around the text.

Thank you!

Please reach out if you have questions, ideas, or are looking for further information and/or support

Gail Lovely

GailLovely@SuddenlyItClicks.com

SuddenlyItClicks.com

Credits

Fonts and Layout

Slides design from Slides Carnival

- © Font(s) from Hello Fonts

Icons

Icons from the Noun Project

- © Add file by Poups
- © Share image by JS
- © Tapping hand by iconosphere
- © Tablet icon by jr

