

## What is the CIRCLE STEM Lab?

It's a virtual laboratory that hosts video segments from PBS LearningMedia and hands-on STEM activities to be completed independently by your child. These interactive activities cover a wide range of science, technology, engineering, and math (STEM) topics. The early childhood years are increasingly recognized as a critical period for introducing STEM concepts. STEM learning experiences at an early age can foster the development of higher-level cognitive skills and lay the foundation for future learning. Through a partnership with the Public Broadcasting Service (PBS), CLI developed these entertaining lessons for children.

**Filter Activities**

Search by Keywords

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+ Child's Age

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+ Learning Areas

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- Video Demonstrations

- Activities With Videos
- Video and Game for Kids
- Parent Coaching Videos

## How do I access the activities?

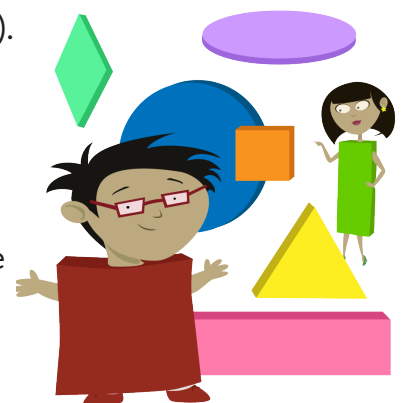
1. Create a free public access account on [CLI Engage](#).
2. Visit [CIRCLE Activity Collection: Family](#).
3. Click "Find Activities" at the top.
4. Under the "Video Demonstrations" filter, select "Video and Game for Kids."

OR

1. Create a free public access account on [CLI Engage](#).
2. Visit [CIRCLE STEM Lab](#).
3. Select a science or math activity for families.

## How can I best support my child with these activities?

- Read the **objective** under the title.
- Make sure that the listed **age group** is appropriate for your child.
- Prepare the suggested **materials** (summarized on the following page).
- Read the entire **activity description**, including the **independent practice**.
- **Launch the interactive activity** for your child to engage with independently.
- Have your child complete the **independent practice**.
- Use the **knowledge check** to assess your child's understanding of the topic.
- Continue to build your child's knowledge of the topic by using the books or activities in **Tips**.



## What materials do I need?

A digital device, such as a computer or tablet, with internet access, is needed for all of the independent STEM activities. You will also need a free [CLI Engage](#) account. A materials list for each activity follows.

Activity name	Materials for independent practice	Activity name	Materials for independent practice
AB Patterns	two types of stickers and paper, or blocks of two colors	Make Them Equal	equal number of similar objects
Animal Sizes	paper, crayons	Making Graphs	counting bears, chips, etc. in 3 colors
Animal Sort	any book with animals	Making Pizzas	pizza cutouts (print from the online activity)
At the Recycling Center	paper, crayons	Matching Animals to Habitats	habitat printouts (print from the online activity)
Body Part Puzzles	body outline and body parts (print from the on-line activity)	Seeds' Needs	paper, crayons
Exploring Habitats	paper, crayons	Sets of Pennies	10 pennies, counting chips, counting bears, blocks, etc.
Exploring Ramps	ramp materials and an object that rolls	Shape House	shape cutouts (print from the online activity)
Feed Me More!	odd number of similar objects	Shapes All Around Me	any book
Going on a Shape Hunt	no materials	Small Number Addition	5 counting chips, bears, blocks, etc.
Identifying Reptiles	playdough	Teach the Five Senses	paper, crayons

## Quick access

To access each page, open the camera app on your smartphone and point it towards the QR code. Click the notification that appears to open the page.



CIRCLE Activity  
Collection: Family



cli.engage



CIRCLE STEM Lab