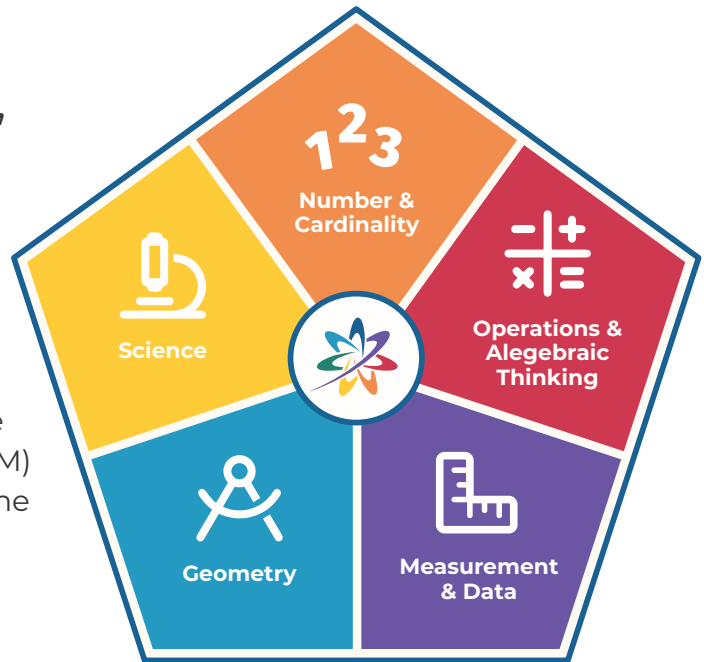


Geometry

Geometry teaches positioning, the properties of shapes, and the identification of parts of regions or groups.

There is 100% correlation between Waterford Early Learning's math and science curriculum™ and the National Council of Teachers of Mathematics (NCTM) Standards. All NCTM Standards are addressed in one or more levels of the curriculum.



Geometry Skills Taught | Overview

Beginning	Developing	Advanced
Identify, describe, and create basic shapes.	Divide shapes and describe their parts.	Divide shapes into equal parts (up to 1/12).
Explore position words such as above, below, and next to.	Learn to use positioning terms such as beside, in front, and under.	Find the perimeter.
Understand similarities and differences in 2- and 3-dimensional shapes.	Identify the line of symmetry and create symmetrical figures.	Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.
Use first, next, and last to describe position and sequence.	Describe and extend a simple repeating pattern.	Describe and extend a repeating pattern.

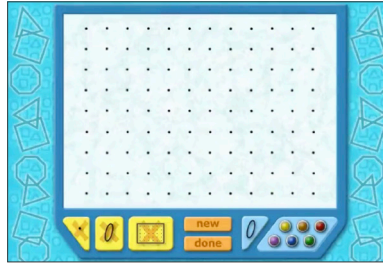
[View example Geometry activities here.](#)

Shapes

Students learn about shapes to develop their spatial awareness, visual perception, and cognitive abilities. Instruction uses descriptive language to help students identify and name shapes, compare their attributes, and recognize shapes in their environment.



Marmot Shapes



Geoboard



Space Shapes

Position Words

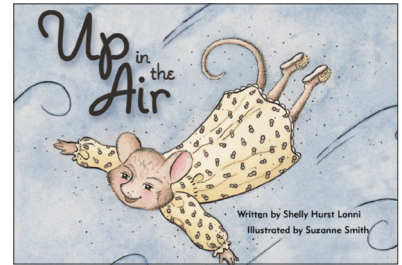
Position words help students describe the location of objects and navigate their surroundings, and they also add to their oral language skills.



Right and Left



Above, Below, Next to, On



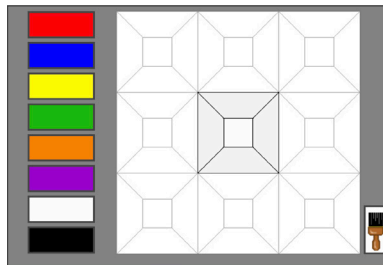
Up in the Air

Patterns

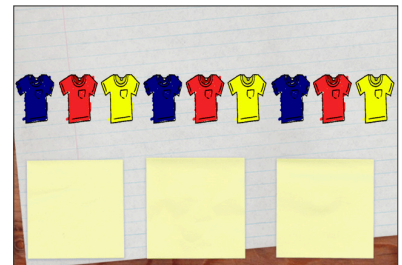
Students learn about patterns through observation and exploration. Instruction provides opportunities for students to identify and extend patterns using objects, shapes, and colors.



Pattern AB



Pattern Application

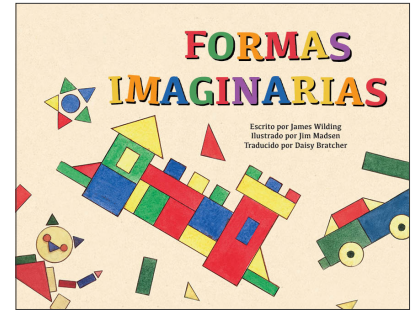
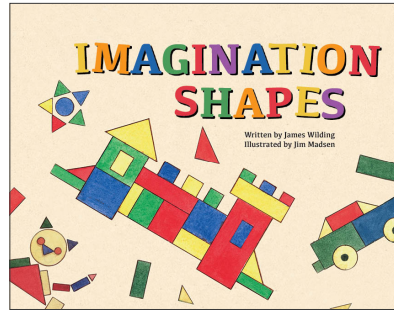


Pattern ABC

Offline Resources and Activities

Waterford’s offline resources are beneficial for educators as they provide hands-on learning experiences, engage students’ senses, and promote the development of fine motor skills. These materials, available in English and Spanish, can be used in various educational settings—including classrooms and environments with limited technology access—to ensure equal learning opportunities and encourage independent thinking and creativity in students.

Children’s Books introduce young readers to the world of counting, numerical concepts, and understanding quantities. Through engaging stories and colorful illustrations, these books foster a foundational understanding of numbers and how they relate to everyday life.



Teacher Resources support instruction and enhance learning in the classroom. Lesson plans, activities, and practice pages can be printed and used by educators to provide additional practice and enrichment opportunities.

Does it Roll?

Does it Stack? Does it Slide? Does it Roll?

Shape	Stack	Slide	Roll

¿Rueda?

Nombre _____

¿Rueda? ¿Se apila? ¿Se desliza?

Figura	Rodar	Apila	Deslizarse

Learning Together Activity Sheets provide learning activities and resources for families. Each activity sheet includes simple and engaging ideas connected to the highlighted skills, as well as a variety of additional skills.

LEARNING TOGETHER

Position Words

Practice words that tell about position: front, middle, behind, beside, bottom, inside, and outside.

Where Is It?
Make position words part of everyday language. Use words such as *top, under, behind, beside, front, middle, back, bottom, inside, and outside*. For example, "The book is on top of the shelf," or, "The milk is inside the carton."

Simon Says
Use position words to play a game of "Simon Says." For example, you could try:

- Simon says, "Step over the rocks."
- Simon says, "Tap the bottom of your foot."

PRE-MATHEMATICAL

Palabras de posición

Practiquen palabras que cuenten sobre la posición: frente, medio, atrás, arriba, abajo, encima, detrás, al lado, fondo, adentro y afuera.

¿Dónde está?
Algo que ha aprendido de posición tiene parte del lenguaje cotidiano. Use palabras como arriba, abajo, dentro, afuera, frente, medio, atrás, fondo, adentro y afuera. Por ejemplo, "El libro está arriba del estante."

Simon dice
Use palabras de posición para jugar un juego de "Simon dice." Por ejemplo, "Simon dice, 'Caminar sobre los rocas.'"

Juego "Yo apilo"
Usen palabras de posición para dar pistas sobre un objeto que se le pide encontrar en la habitación. Por ejemplo, "Hay algo que está encima del estante."

Adentro/afuera
Dibujen un círculo con tres en la arena. Hagan un círculo con cuatro en el cielo. Utilicen un círculo con cinco para dibujar un animal. Coloque de frente a otros artículos pequeños dentro del círculo. Luego, comente cuáles han dentro y cuáles están fuera del círculo. Usen otras palabras de posición como dentro y fuera para descubrir dónde están los artículos.

Visit Resources & Activities to find these resources and more!