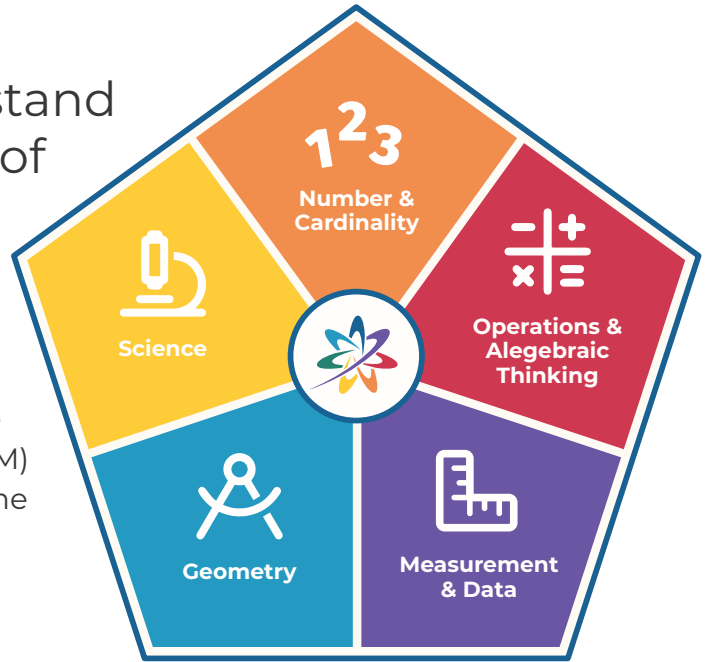


Science

Science helps students understand our world with the exploration of earth, space, life, and physical science.

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.



Science Topics Taught | Overview

Beginning	Developing	Advanced
Scientist Biographies	Science Tools	Science Experiments
Push/Pull	States of Water	Simple Machines
Plants and Animals	Food Chains	Plant Lifecycle and Growth
Seasons	Properties of Air	Dinosaurs
Pollution and Recycling	Health: Germs, Exercise, Rest, Teeth, and Food	Natural Resources
5 Senses		

[View example Science activities here.](#)

Science as inquiry provides context and hands-on experiences using the scientific method.



Science Tools

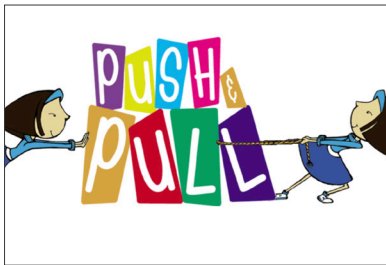


Science Investigation



I Am Part of All That I See

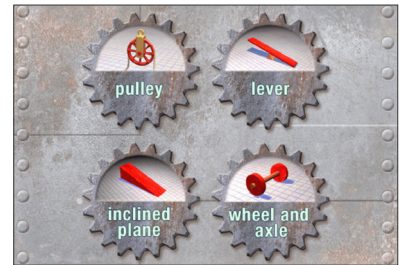
Physical science develops an understanding of matter, materials, force, and energy.



Push and Pull



States of Water

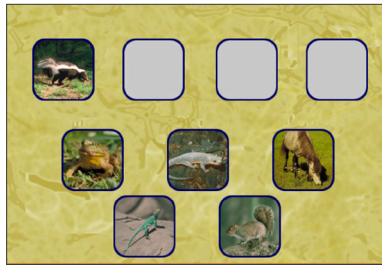


Simple Machines

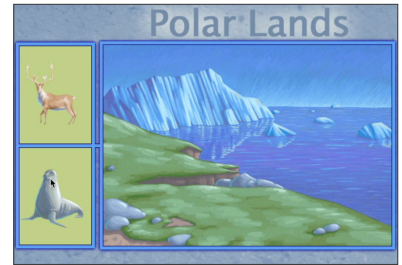
Life science develops an understanding of living things such as plants, animals, and ecosystems.



Plants

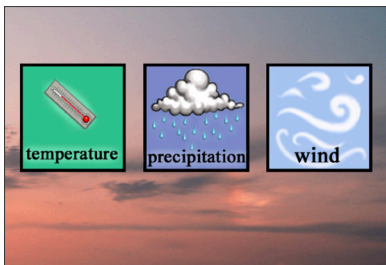


Animal Groups

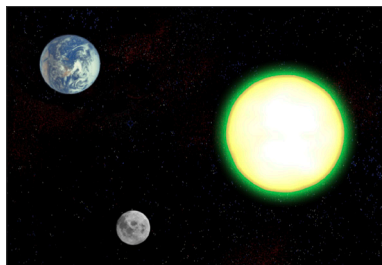


Ecosystems-Polar Lands

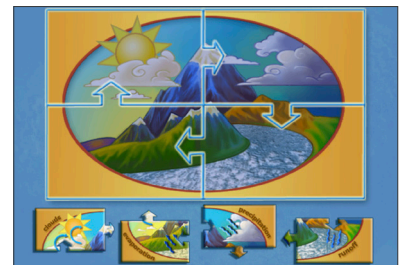
Earth and space science develops an understanding of astronomy, meteorology, seasons, air, hydrology, and geology.



Weather



Sun Blues

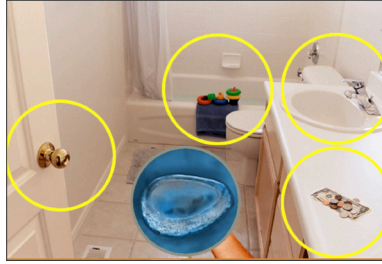


The Water Cycle Song

Personal and social perspectives develops an understanding of environment, conversation, health, safety, observation, and inventions.



Pollution and Recycling



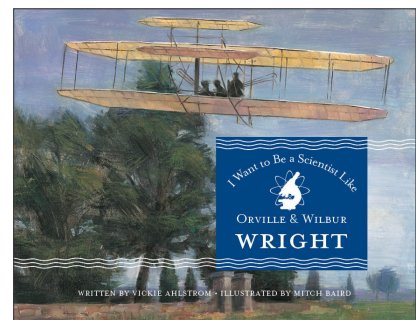
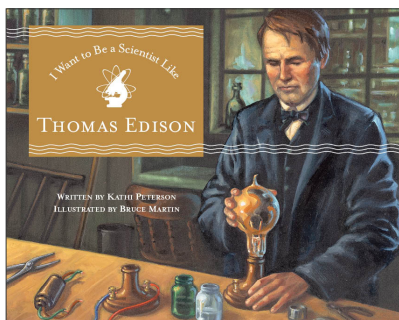
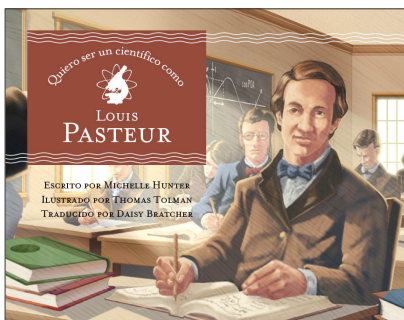
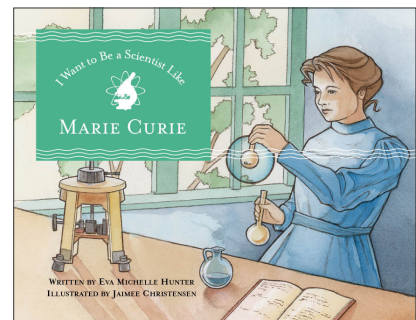
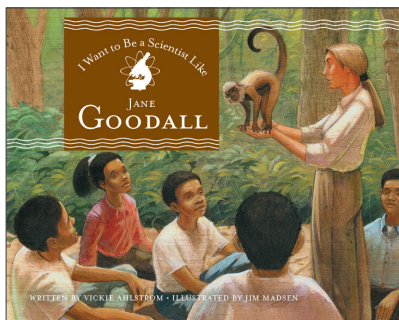
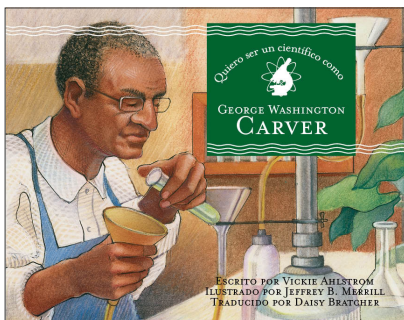
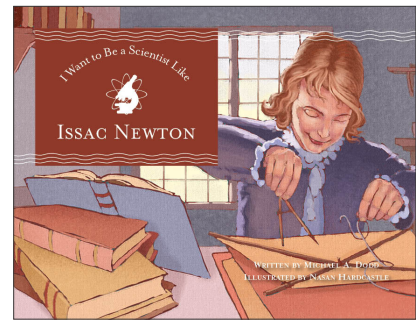
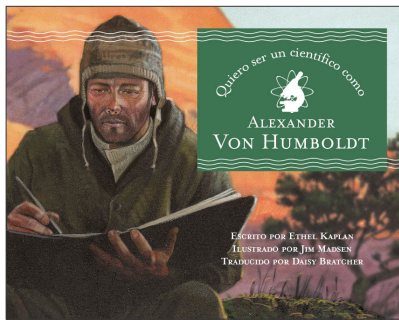
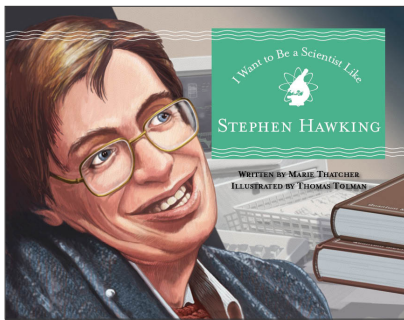
Germs



Healthy Food

“I Want to Be a Scientist Like...” Series

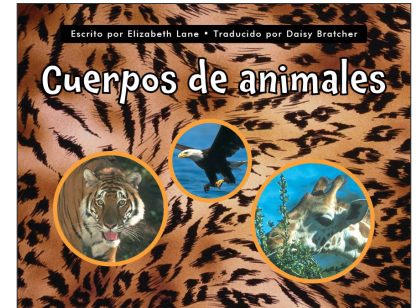
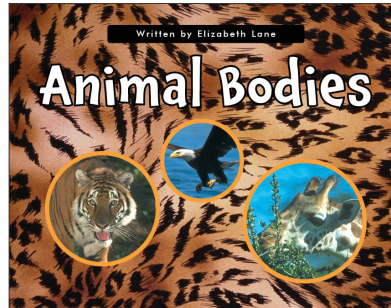
Exposure to scientists is crucial for students as it sparks curiosity, nurtures a love for learning, and broadens their understanding of the world. Interacting with scientists introduces students to the scientific method, encourages critical thinking, and inspires them to explore and inquire about the natural world, setting the stage for future scientific exploration and a potential career in STEM fields. Waterford offers stories about the following scientists: Antoni van Leeuwenhoek, George Washington Carver, Isaac Newton, Jane Goodall, Louis Pasteur, Marie Curie, Orville and Wilbur Wright, Stephen Hawking, Thomas Edison, and Alexander von Humbolt.



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.

Name _____





Which Ones Will Grow?

If a tadpole grows into a _____,	frog.	Will a pencil grow into a _____,	printer?
			
If a _____ grows into a _____,	_____.	Will a _____ grow into a _____?	_____?

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Nombre _____

¿Cuáles crecerán?

Si un renacuajo se convierte en una _____,	rana.	¿Podrá un lápiz crecer en una _____,	impresora?
			
Si un/a _____ se convierte en un/a _____,	_____.	¿Podrá un/a _____ crecer en una _____?	_____?

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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.



Plants

Investigate plants to learn how they grow.

Pressed Leaves
Collect various fresh flowers and leaves. Look closely at the flowers and leaves inside the book so they lay flat and don't overlap. Close the book and place some weight on it. You can put different leaves and flowers between different parts of the book. Keep the book in a warm, dry place for a week or more. Once the flowers and leaves are pressed and dry, add to your notes by writing how they changed.

Plants and Leaves
Set a houseplant that prefers direct light near a window where it will get a lot of light. After a few days

Garden

Invite your child to participate in a garden activity, whether it be a house. Plant some seeds, water plants, etc.

You can find books and resources here.

Read
Take a trip to the library for books about plants.




Plants

Investigar las plantas para aprender cómo crecen.

Hojas prensadas
Reúne varias flores y hojas frescas. Abre un libro y las hojas con cuidado y ponlas algunas cosas encima de lo que ves. Encuéntralas en otro momento después de la sección de un medio. Usa papel empacado, periódico, o cualquier otro tipo de papel para proteger y proteger las hojas y no poner una encima de otra. Cierra el libro y vuelve a abrirlo después de un tiempo. Puedes colorear hojas y flores diferentes entre diferentes partes del libro. Mantén el libro en un lugar seco y cálido durante una semana o más. Una vez que las flores y las hojas hayan sido prensadas y secas, agregan sus notas de cómo han cambiado.

Jardín
Invita a tu hijo a participar en una actividad de jardinería, ya sea en tu patio trasero o dentro de la casa. Planta algunas semillas, cuida las plantas, podar o regar las plantas.

Libros de Waterford
Puedes encontrar libros sobre plantas en la pestaña de Recursos y actividades en www.waterford.org

- The Tree Seed por Eric Carle
- The Lady Wagons por Grace Lin
- Adventure a Garden por Lois Ehlert

Check out some more books on plants!



Visit [Resources & Activities](https://www.waterford.org) to find these resources and more!