What is Waterford UPSTART?

An in-home school readiness program that uses technology, supported by parents, to provide children with an individualized reading, math, and science curriculum.

United: Preparing Students Today for A Rewarding Tomorrow
Waterford Early MATH & SCIENCE

- 710 Lessons
- 5,000+ Activities
- 300 Hours PreK-2 Instruction
- 173 Songs
- 110 Books
- 50-990 Lexile Range
“All children don’t learn things at the same time, but when they are ready, and the connections go, they get it. Waterford helps make that happen.”

— Pat Matthews, Lead Teacher, California
Adaptive Personalized Learning Model

Pre-assessment → Song → Introduction → Instruction → Practice → Book → Post-assessment

- Skip to challenge if I'm ready!
- Ongoing assessment
- Lots of support if I need help!

Extensions and certificate can be earned:
- Remediate and/or repeat later if I continue to struggle
Number Songs
Counting and Number Sense
Waterford.org BELIEVES:

- While every individual has the capacity for growth at every stage of life, childhood academic experiences are uniquely critical for setting a lifetime learning trajectory.
- The thoughtfully coordinated support of parents, teachers and other mentors gives students the ambition and resilience they need to reach their full potential.
- Learning is intrinsically motivating, and it is accelerated when properly matched to an individual's needs and interests.
- Effective approaches for teaching and learning are best identified by research that is rigorous, iterative and pragmatic.
- Rapid advancements in technology will continue to increase the precision, adaptivity and availability of high-quality learning programs, and these innovations offer hope that all individuals can receive excellence and equity in education.
- Policymakers, philanthropists, community leaders and others who have the power to make proven, cost-effective educational solutions available to those in need have an urgent responsibility to do so.

Empowering families is part of who we are!
<table>
<thead>
<tr>
<th>Family Involvement</th>
<th>Family Engagement</th>
<th>Family EMPOWERMENT</th>
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</thead>
<tbody>
<tr>
<td><strong>Attendance</strong> at events is encouraged.</td>
<td><strong>Attendance</strong> at events is encouraged and participation is more active.</td>
<td><strong>Co-creating</strong> children’s success with parents.</td>
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<tr>
<td><strong>Communication</strong> is generally one way.</td>
<td><strong>Communication</strong> begins to be two way.</td>
<td>Parents are encouraged to use their <strong>agency</strong> to directly impact their child’s education.</td>
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<tr>
<td><strong>Cultural Sensitivity</strong> is recognized as essential and parental beliefs are investigated.</td>
<td></td>
<td>Parents become <strong>advocates</strong> for their children’s needs.</td>
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Parental Beliefs

ADVOCACY
My child's learning is partly my responsibility.

AGENCY
I can make a difference for my child.

Mentor Logic Model

**INPUTS**
Mentor provides feedback on child’s learning
Mentor provides opportunities for families to enjoy simple learning and relationship-building activities each week

**ACTIVITIES**
Parents view Mentor messages three times per week
Families engage in suggested activities at home

**OUTPUTS**
Parents and children enjoy activities and relationships are strengthened
Parents become more aware of child’s learning and the potential of their role in the process

**OUTCOMES**
Improved academic achievement
Parents become more engaged in child’s learning
Parents feel less stress and more support as partners in their child’s progress

**IMPACTS**
Higher academic achievement long-term
Positive attitudes towards learning
More positive family experiences and better social-emotional skills
Protective Factors for Families

Center for the Study of Social Policy

*Strengthening Families Framework*

• parental resilience
• social connections
• concrete support in times of need
• knowledge of parenting and child development
• social and emotional competence of children

[https://cssp.org/our-work/project/strengthening-families/](https://cssp.org/our-work/project/strengthening-families/)
Communication:

- Strengths-Based
- Action-Based
- Growth Mindset

Photo by Jason Rosewell on Unsplash
Communication: Potential Barriers

- Readability
- Time
- Resources
- Parental School Experiences
My Household
Achievements

- Smell
  - Use the sense of smell to make observations.

- José Three: Read-Along Book
  - Comprehend the Read-along Book by thinking about how you would feel if you were in the story and describing characters.

- Star/Semicircle/Octagon/Oval/Diamond
  - Identify stars, semicircles, octagons, ovals, and diamonds.

- Add to 6
  - Add up to six objects.
Nudge Theory

“Texting appears to have the potential to be a powerful, low-cost, technological ‘nudge’ to support multiple facets of family-school engagement in high-need prekindergarten settings.”

- Snell, Hindman, and Wasik (2018)

Monday: ROUTINE

Lena met last week’s goal! Celebrate by reading a favorite book today. Remember to ask Lena about what she is learning, and practice these skills away from the computer as well. Check the Usage tab to keep on track for this week too.
Andrew recently mastered Patterns. Draw PATTERNS using shapes, colors, or letters. Begin a simple pattern such as "A, B, A, B..." For example—circle, square, circle, square... Ask your child, "What comes next?" Make more patterns using different kinds of objects. Be on the lookout for patterns in our world throughout the week!
Your child’s motivation can have a big impact on their learning. One way you can help your child with self-motivation is by rewarding their efforts rather than just their successes. It is OK to make mistakes. When we try and try again, we learn!

Read *The Little Engine That Could* with your child to teach them about hard work and optimism.
Resources & Activities

The Shape of Things
Read this book together to learn about shapes. (Lea este libro juntos para aprender sobre las figuras.)

Half for You and Half for Me
Read this book together to learn about dividing equally. (Lea este libro juntos para aprender a dividir en partes iguales.)

Waterford.org
El orden de los números

Los números están en orden. Rellena los números que faltan.

1 2 3 4 5

Patterns 1

Nombre __________________________________

Draw what comes next:

___

___

___
https://www.gse.harvard.edu/news/uk/08/05/family-involvement-and-childrens-literacy


https://www.fatherhood.org/fatherhood/5-protective-factors-parental-resilience

Underutilized Potential of Teacher to Parent Communication
https://drive.google.com/file/d/14D2GwbkwsCXA79sqaZ4xhFLF2Aq4jwz/view

Family Involvement and Children’s Literacy
https://drive.google.com/file/d/1RghYU-YOSOo9FxS7pKDpKf-i-d1A4RG/view

Mobile Technology and Family Engagement
https://drive.google.com/file/d/1E1sFScSm_DwysvpAA4pWW-ecqXyvR0B/view
