

Waggle™

Where learning takes flight

Take
advantage
of discounts
on purchases
prior to
October 30,
2020!



Personalized Practice and
Instruction to Drive Growth
for All Learners

See how Waggle complements
mathexpressions

Powerful & Flexible Teacher-Driven Adaptive Learning

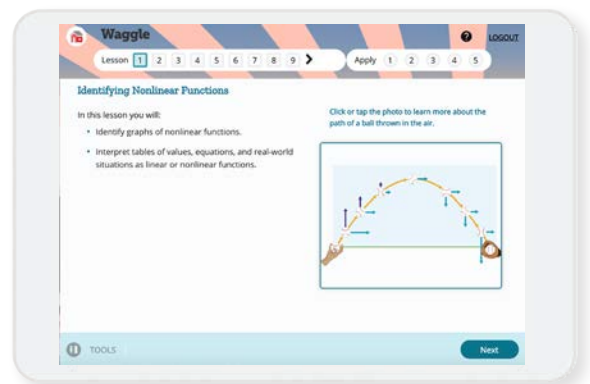
The newest *Waggle*® release for *Math Expressions* unites the best in dynamic personalization with powerful instructional lessons, immersing students in an unparalleled world where learning takes flight!

Unlike other programs, *Waggle* keeps the teacher in control. Teachers can manually assign relevant content or ask *Waggle* to auto-assign lessons, enabling educators to maximize their time in and out of the classroom.

Powerful Personalization

Many programs claim to provide “personalized practice”, but only *Waggle* dynamically adapts to students’ knowledge in real time.

Go beyond a pretest and posttest to assess students’ skills proficiency *during* practice.



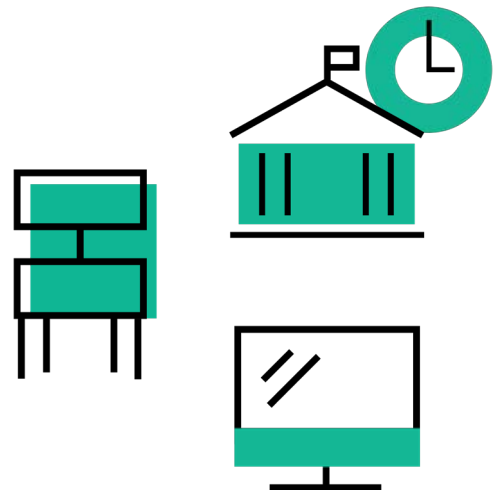
Teachers retain control over the class’s pace while students engage in relevant practice within their Zones of Proximal Development.

Guidance and Assessment

Say “goodbye” to end-of-unit surprises: *Waggle* dynamically routes students to relevant practice and instructional content while providing teachers with skills-specific insights every step of the way.

Flexible Implementation

Your classroom is a living and breathing space, so we made *Waggle* as flexible as you are. Districts use *Waggle* in a wide variety of settings, ranging from the core classroom to before/after school to computer lab time.



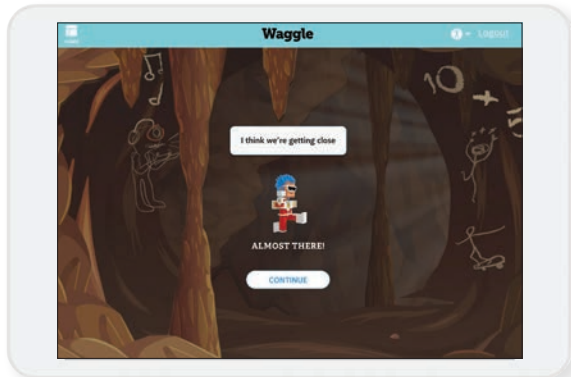
Waggle’s flexibility makes it an ideal fit for multiple settings, including before and after school, study hall, computer lab, 1:1 device time, and more.

***Waggle* is powerful support for any teaching model—in person, remote, or hybrid.**

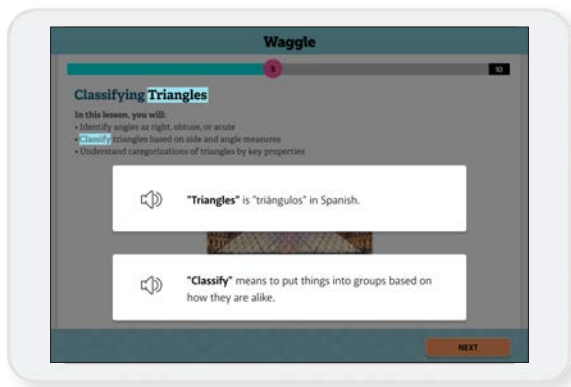
Robust & Inclusive Instructional Support

Social-Emotional Learning

Waggle supports students in developing social-emotional learning competencies through content, reflections, and interactions with others. Embedded hints and feedback help students develop a growth mindset, unlocking their inner academic potential.



Social-emotional learning is woven throughout *Waggle*, including its games and instructional content.



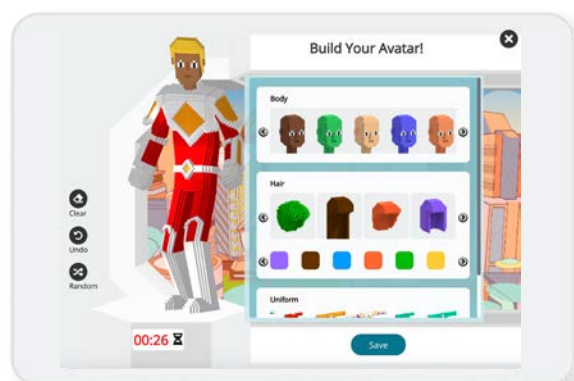
Scaffolds in skills practice use **translanguaging** strategies to leverage students' primary language knowledge to build metalinguistic awareness.

Student Agency, Ownership & Identity

Students have the opportunity to make a variety of choices throughout *Waggle*, from selecting their avatar to choosing which worlds to explore. These are a few of the small ways in which students invest in their *Waggle* success on a daily basis.

English Learner Support

Waggle provides robust support to English learners, including tools to access challenging language and terms. Idioms, cognates, cultural references, and more are called out in text and audio to support EL students.



A Connected Teacher & Student Experience

1. Teacher instruction

The teacher leads a lesson from *Math Expressions*.

2. Teacher-assigned or auto-assigned content

The teacher can either assign specific learning goals that complement the lesson or ask *Waggle* to auto-assign relevant content to the class.

5. Targeted instructional content recommendations

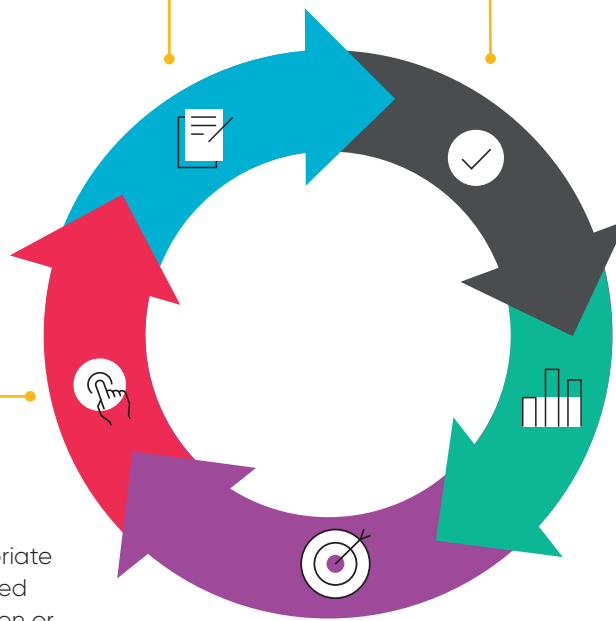
Waggle recommends appropriate content for each student based on their needs. This remediation or enrichment provides students with a solid foundation to embark upon the next *Math Expressions* lesson.

3. Adaptive skills-based practice

Students engage in adaptive skills-based practice that adjusts in real time to keep them in their Zones of Proximal Development.

4. Precise skills gaps pinpointed

Waggle pinpoints precise skill gaps during students' practice—no additional testing required.



Waggle + mathexpressions

Supplemental, Adaptive Practice and Instruction That Complement *Math Expressions*

Waggle™

Waggle goes beyond adaptive learning to truly personalize practice and instruction—complementing *Math Expressions* to support students at all proficiency levels.

2 Differentiated Instruction

Lesson 1: Understand Fractions

Math Activity Center
Hands-On • Print • Interactive Digital Games and Resources

ON-LEVEL RESOURCES

Hands-On
Activity Card, Lesson 4-1: *Fill All Four*

Digital and Print
Practice, Lesson 4-1

CHALLENGE RESOURCES

Hands-On
Activity Card, Lesson 4-1: *Grid Paper Fractions*

Digital and Print
Challenge, Lesson 4-1

INTERVENTION RESOURCES

Hands-On
Activity Card, Lesson 4-1: *Folding Fractions*

Digital and Print
Reteach, Lesson 4-1

MORE RESOURCES

Games
Practice | Reinforce | Extend
fraction concepts, time, and data
• *Poggles MX*
• *Intermediate Vocabulary Game*

Assessment and Intervention
Personal Math Trainer, Lesson 4-1
Personalized intervention and enrichment with learning supports

Math Writing Prompt
Look for a Pattern If $\frac{1}{8}$ of a figure is shaded, what part is not shaded? What if $\frac{2}{8}$ are shaded? $\frac{3}{8}$? What is the pattern? Explain how you found the pattern rule.

Math Writing Prompt
Investigate Math What do you think the fraction $\frac{5}{4}$ means? Draw a picture to explain your thinking.

Math Writing Prompt
Explain Your Thinking Which is bigger: $\frac{1}{5}$ of a square or $\frac{1}{6}$ of the same square? How do you know?

Personal Math Trainer

Intermediate Vocabulary Game

Understand Fractions | 485



Scan or click to see how *Waggle* correlates to *Math Expressions* lessons.

Math Expressions Teacher's Guide

An Empowering & Enriching Student Experience

Waggle gives students the tools to unlock their inner potential! By addressing the needs of the whole student, *Waggle* motivates learners to achieve new proficiency gains and develop a growth mindset that will benefit them in years to come.

The Whole Student

Students enter the classroom with an incredible variety of backgrounds, motivations, and proficiency levels. We know that they're more than a test score, and that's why we challenge them to demonstrate positive learning behaviors throughout the program. Whether accessing scaffolded hints or mastering a new skill, *Waggle* promotes the power of "I can!"



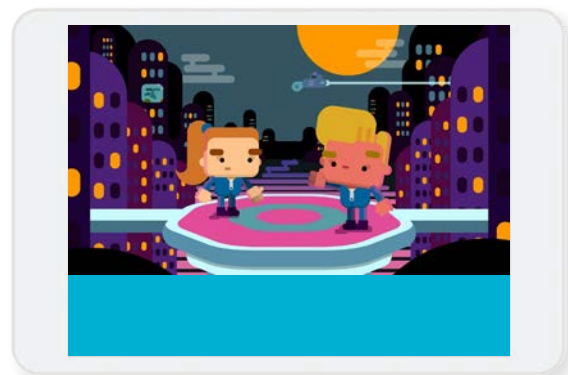
True Personalization

Personalization should go beyond right and wrong answers, so *Waggle* evaluates the student's knowledge, behavior, and content factors when selecting which practice and instruction to present. Serving students content that engages them in productive struggle is a key factor in driving growth.

How <i>Waggle</i> Works: Personalized Learning		
Right Challenge, Right Time: <i>Waggle</i> 's Recommendation Engine Data Points		
Learner's Knowledge	Learner's Behavior	Content Factors
<ul style="list-style-type: none">• Learner's Proficiencies• Assessment Needs• Need for Remediation• Where to Move Forwards	<ul style="list-style-type: none">• Learner Pace• Repetition of Material• Learner Strategies	<ul style="list-style-type: none">• Asset Relationships• Assessment Value• Question Difficulty• Content Duration• Engagement

Multimedia Experiences

Learning isn't one size fits all, and neither is *Waggle*. Students engage in rich multimedia experiences and encounter a wide variety of item types—ideal practice for online high-stakes testing.



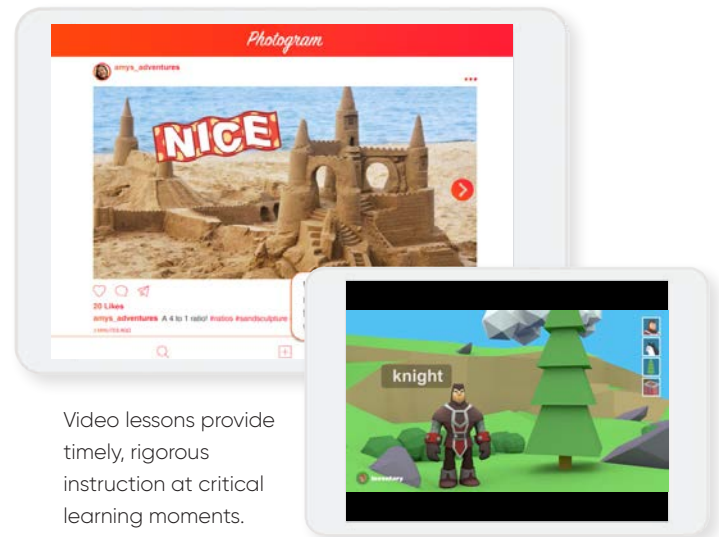
Achievement: Unlocked!

Acceleration Through Striving

Waggle's precise personalization keeps students engaged in their Zone of Proximal Development. The result? The feeling of "I'm almost there" propels students towards mastering new skills.



Students can track their skills progress and achievements in real time.



Video lessons provide timely, rigorous instruction at critical learning moments.

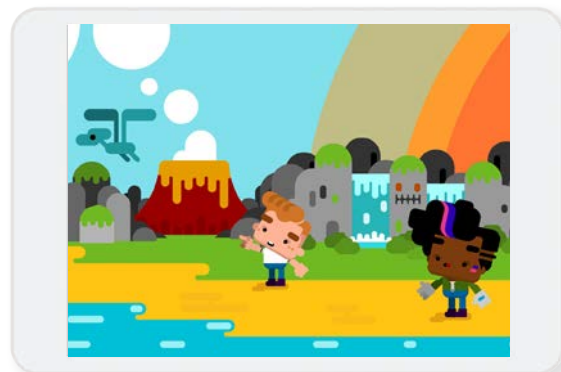
Rewarding Proficiency

Waggle goes beyond the learning goal and standard to drill into individual skills. This gives students the precise practice and instruction they need to achieve great things. Students love receiving in-program rewards, and teachers appreciate receiving clear insight into which students have accomplished their goals!

Promoting Resilience

Many students have yet to hit their academic stride. Just like Rome wasn't built in a day, neither is knowledge. Waggle understands this and rewards students for demonstrating positive learning behaviors that will drive future success.

Promoting and rewarding resilience builds a growth mindset and gives even striving learners the opportunity to succeed.



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Personalized Practice to Supplement *Math Expressions* for Grades 2–6



Scan or click to hear how *Waggle* supports priority standards and offers flexible, engaging in-person and remote learning for *Math Expressions* students and teachers.

Contact your local HMH Account Executive to learn more:

hmhco.force.com/relocator

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