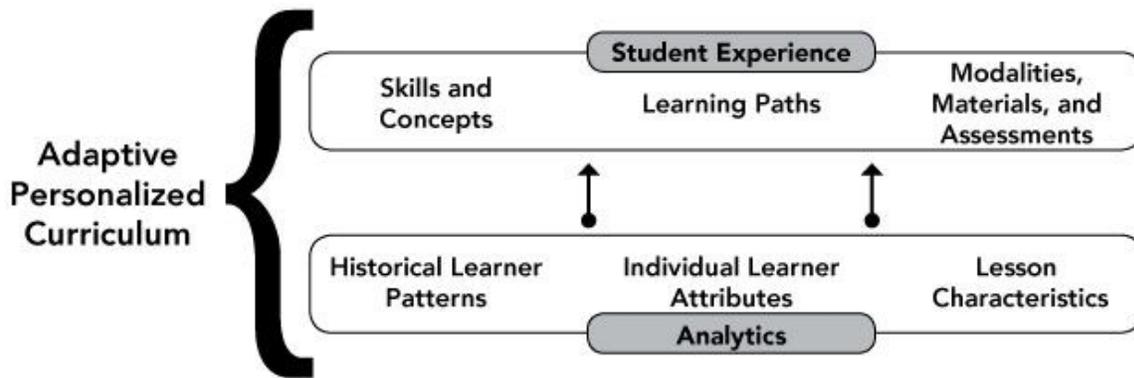# What is an
Adaptive Personalized Curriculum?

In the traditional education model, a curriculum includes the skills and concepts that students will learn and the materials and assessments used to learn them. An Adaptive Personalized Curriculum uses analytics from historical learner patterns, individual learner attributes, and lesson characteristics to decide what, when, where, and how students learn.

Analytics

To determine his or her learning experience throughout the school year, our experienced team relies on three primary sources of analytics: Historical Learner Patterns, Individual Learner Attributes, and Lesson Characteristics.

Historical Learner Patterns
Our team continuously collects, analyzes and refines Historical Learner Patterns, the accumulated wisdom of years of student learning, to make logical inferences about students' needs, ideal learning paths, and the ways students should experience specific skills and concepts.

Individual Learner Attributes
We consider each student's Individual Learner Attributes, the unique learning interests, needs, and abilities he or she arrives with to school. Using diagnostic assessment tools, teacher feedback, and daily formative assessments, we continuously collect, analyze, and refine this information throughout the school year.

New Classrooms
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Lesson Characteristics

Our team also collects and analyzes the collected information relating to the thousands of lessons in the Teach to One: Math Lesson Bank to identify and refine instructional content best able to support student learning.

Student Experience

With these analytics, New Classrooms' experts, rubrics, and algorithms produce an adaptive personalized curriculum that defines the skills and concepts a student should learn, the optimal learning paths for them to experience them, and the modalities, materials, and assessments to support their academic growth.

Skills and Concepts

Based on the analytics described above, our team creates a personalized Skill Library for each student in Teach to One: Math. This library contains the mathematical skills and concepts each student is expected to experience throughout the school year.

Learner Paths

Students progress through mathematical skills and concepts in ways that are both scaffolded and cohesive. Students' schedules are built to fill in existing gaps in their mathematical knowledge by reaching back to previous-grade-level material when required. As they progress, students encounter on-grade skills and may reach above-grade-level skills depending on their overall starting point and rate of progress.

Modalities, Materials, and Assessments

Students in Teach to One: Math explore mathematical skills and concepts using a variety of instructional approaches called *modalities*, which target both mathematical skills and concepts and help students develop lifelong habits of success. Students are provided with a wide range of high quality instructional content, created internally and sourced externally. Multiple types of assessments enable students to reflect on their learning.