

Los Altos School District

Blended Learning: Khan Academy

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Develop innovation in instructional delivery and demonstration of student learning.

Increase teacher training and sharing of best practices

Mission Statement

The Los Altos School District inspires a passion for learning and prepares all K-8 students to thrive in our rapidly changing global community.

Meet the individual needs of students.

Keep staff, parents and community members engaged.

2010-2011 Pilot

- Sharing a vision for 21st Century Education, a partnership was created between LASD and the Khan Academy
- In November, LASD began piloting the Khan Academy Program to complement math instruction in 5 classrooms



- Grade 5 (3 classes) at Santa Rita & Covington
- Grade 7 Pre-Algebra Readiness (2 classes) at Egan Junior High

Khan Academy Overview

The screenshot displays the Khan Academy website interface. At the top, the header includes the Khan Academy logo, the text "38,547,289 lessons delivered", and a navigation bar with links for "Watch Videos", "Do Exercises", and "Join Us". The user's profile "salman" is shown with 1 level, 1 experience point, and 3494 energy points. There are also links for "Logout", "Donate", and social media icons for YouTube, Twitter, Facebook, and a "Like" button with 145K likes.

Below the header, there is a search bar with the placeholder text "Search for a video or playlist". The main content area is divided into two sections: "Exercises" on the left and "Knowledge Map" on the right.

The "Exercises" section is further divided into "Suggested Exercises" and "Recent Exercises". The "Suggested Exercises" section shows a card for "Addition 1" with 195 energy points and a streak of 12. The "Recent Exercises" section shows a card for "Pythagorean theorem 2" with 75 energy points and a streak of 12, followed by another card for "Addition 1" with 195 energy points and a streak of 12. The "All Exercises" section is also visible, showing a card for "Addition 1" with 195 energy points and a streak of 12.

The "Knowledge Map" section displays a hierarchical diagram of mathematical concepts. The diagram shows a tree structure where "Addition 1" is the root, branching into "Addition 2", "Multiplication 0.5", and "Subtraction 1". "Addition 2" further branches into "Addition 3" and "Multiplication 1". "Multiplication 0.5" branches into "Division 0.5" and "Subtraction 2". The diagram is set against a background of a starry night sky.

Key Learnings



Student data is key to differentiation

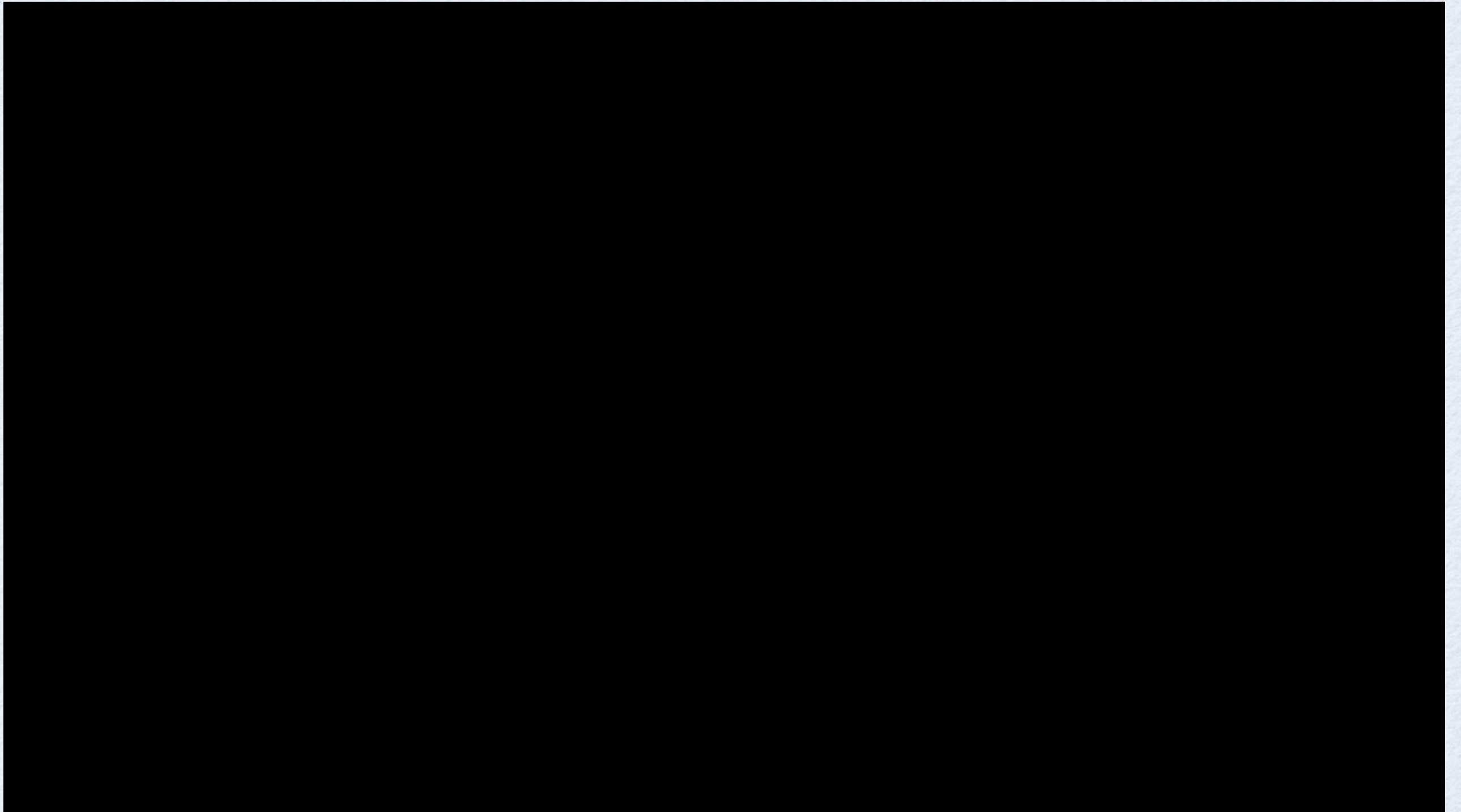


Provided teachers with a technological tool
to enhance instruction
to better meet individual needs



Increased collaboration, peer based learning,
engagement levels &
student ownership of learning

Teacher Perspectives



Learner Outcomes



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- Learning gaps began to disappear



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- Deeper understanding of the interrelationships between math concepts



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- Positive attitudes



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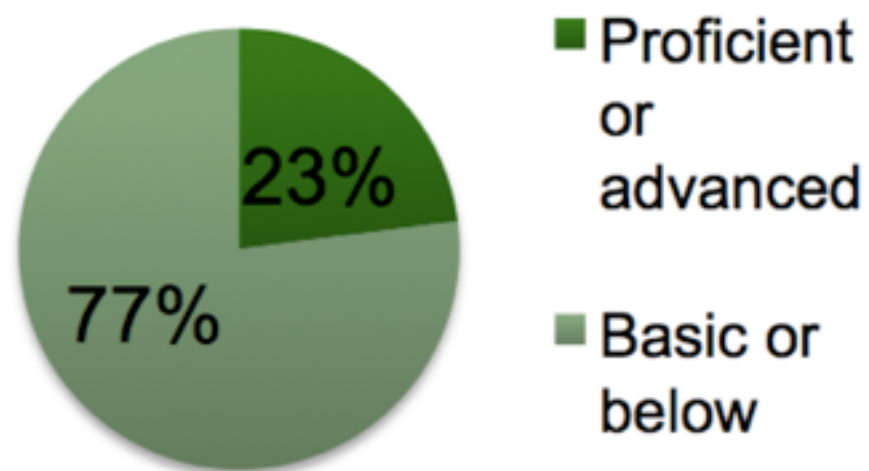
- Learning gaps began to disappear
- Deeper understanding of the interrelationships between math concepts
- Increased student ownership
- Positive attitudes
- Higher level of engagement in math class



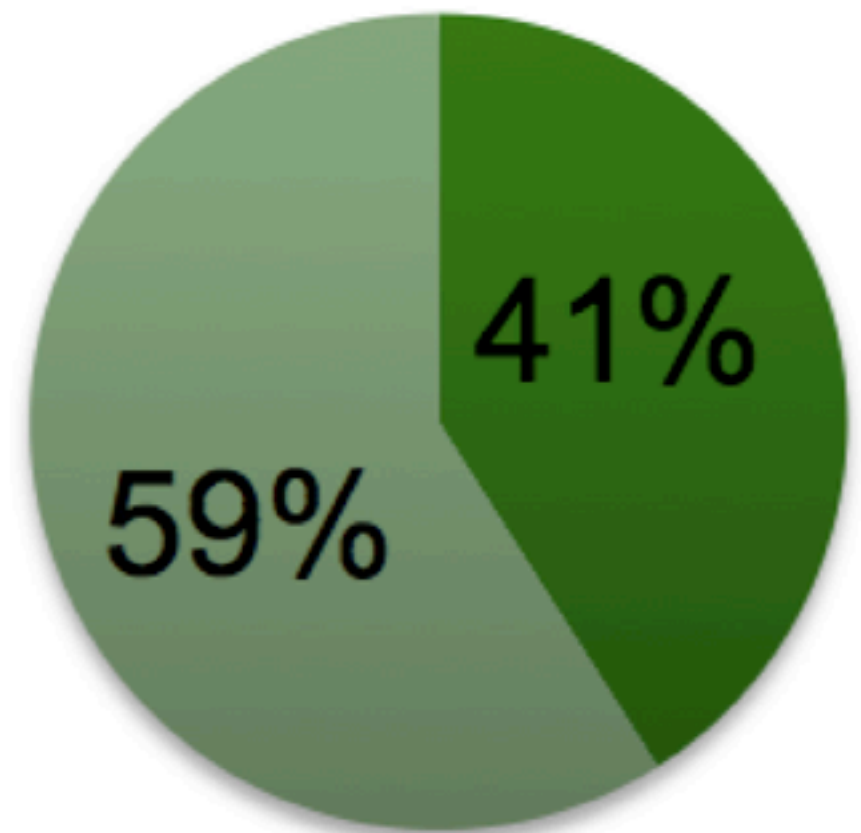
Pilot Data - 7th Grade

Pilot 7th Graders made significant strides from 2010-2011

CST 2010



CST 2011



2011-2012 Implementation

- Expanding the use of the Khan Academy as an electronic tool in 5th through 8th grade classrooms to differentiate math instruction to meet the individual needs of each student.
- Providing teacher training and support.



Blended Learning



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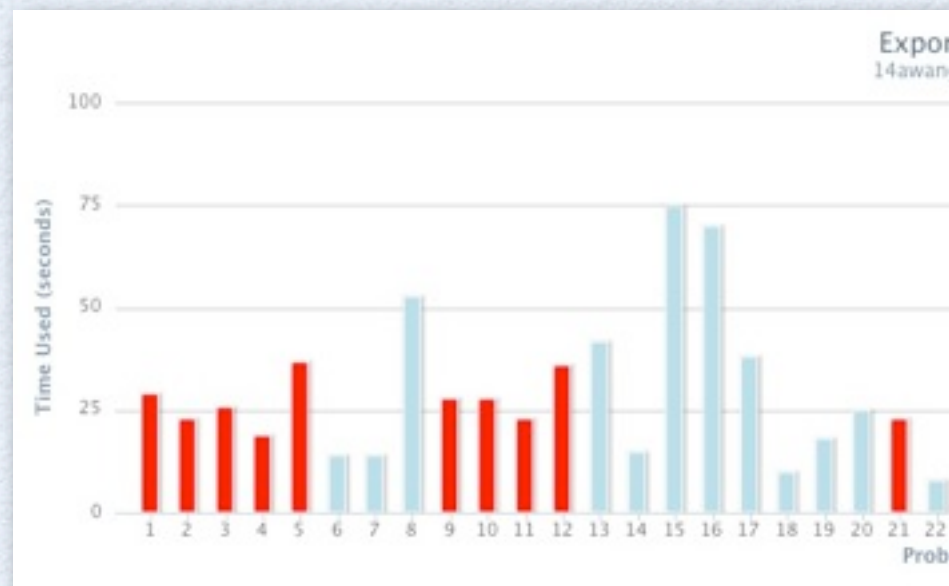
Your Student's Experience

- Regularly scheduled access during school hours
- Technology sharing among classrooms
- No additional math homework
- Approximately two weeks of self-paced work to reach grade level material
- Personal goal-setting
- Gradual blending of the Khan Academy with the existing curriculum



Program Assessment

- Khan Academy Dashboard Data
- Attitudinal Surveys
- Benchmarking Data
- STAR Testing Data
- Northwest Evaluation Association (NWEA) MAP Test

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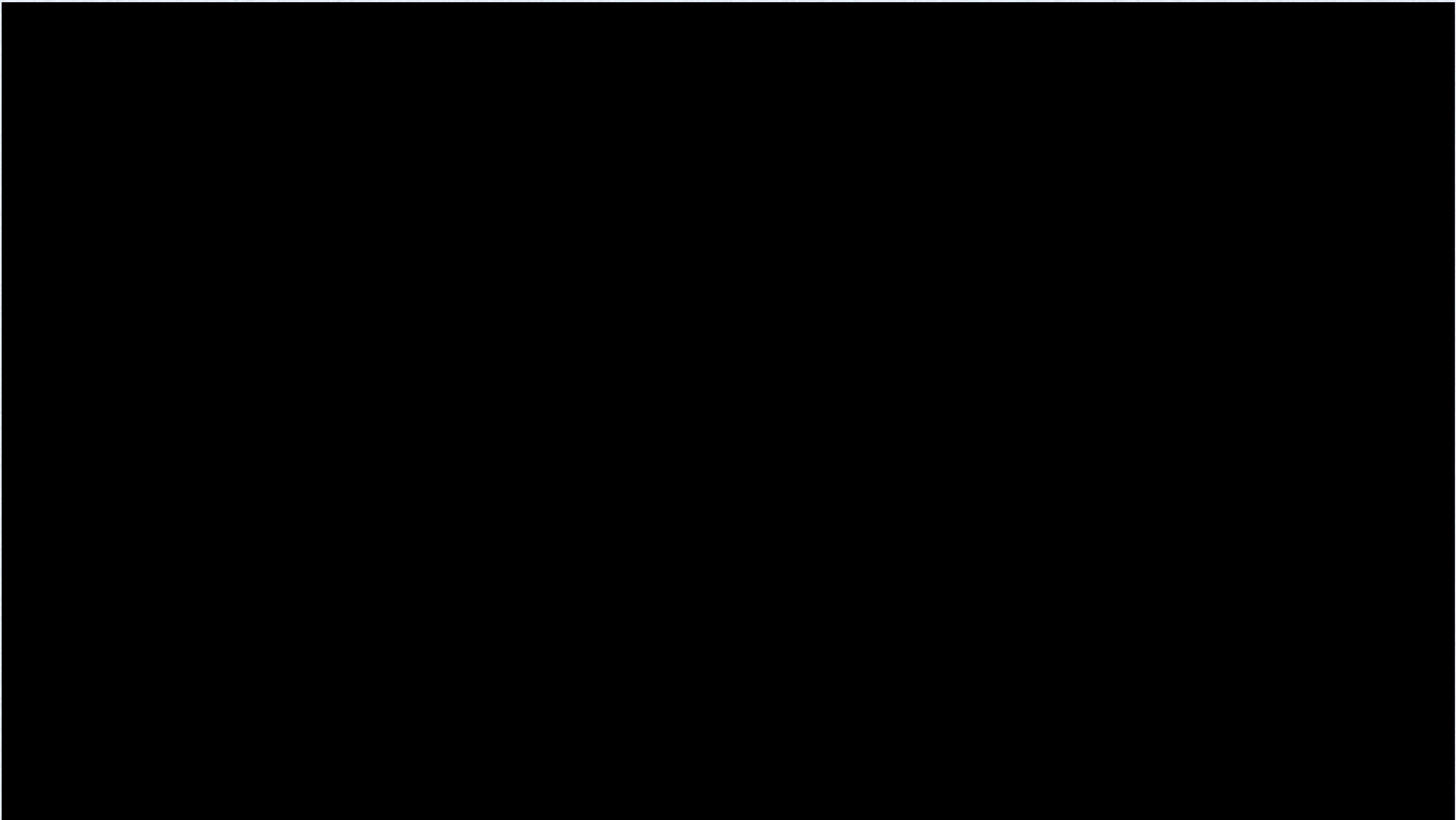


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- ◆ Restructured class time to allow for more collaboration and problem solving at school.
- ◆ Opportunity to participate in an innovative, 21st Century learning environment.



Student Perspectives



Funding Provided by LAEF

