

STLA
May 17,
2023

MATH SECONDARY UPDATES

Illustrative + ALEKS Adoption
and
Math Pathways

ALG/GEO/ALG 2 ADOPTION TIMELINE

Groundwork for a 5-12 review of the Math Program. Needs identified, which included new materials for the A/G/A courses



Finalized EdGems Selection as the Core MS math materials.



Priority setting for the materials.

Examining "the field" of options.

Narrowed the options to roughly 10.

Requested samples from publishers.



FALL 2018

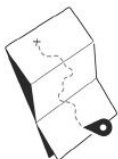
SPRING 2019

APRIL 2020

2020-2021

SEP 2021- JUNE 2022

Fall 2022-NOW



Middle School Math Materials review work.

Coordination with the ELEM-MS transition of courses.



Reflection on the A/G/A courses.

Intensional conversations with OSPI, surrounding districts, and others.



Print and digital materials review.

Inclusion of the community members.

Narrowing to a final 4.

Public Input (F2F sessions & online form)

Presentations /Q&A with the final 4 publishers.

Selection of Illustrative Mathematics

WHAT IS OUR NEW ALG/GEO/ALG 2 CURRICULUM?



IDENTIFIED NEEDS:

- The current materials (Pearson 2011) were developed pre-Common Core State Standards (CCSS).
- Math teachers at IMS and MIHS have had to supplement to meet the CCSS.
- Pearson shuttered the online tools for this curriculum in 2018.
- The current materials lacked rich tasks that promote development of lasting understanding.

SITUATED BETWEEN EDGEMS & PRECALCULUS

- Many of the Instructional Routines are common between EdGems and Illustrative Mathematics.
- The alignment and complete coverage of the CCSS will help ensure that there is a verifiable curriculum in preparation for PreCalculus.
- The Problem Solving approach is stronger fit for the application heavy style of the current PreCalculus courses.

WHAT WE LOVE ABOUT ILLUSTRATIVE MATH + ALEKS

- Designed for Instruction
- Problem Based Design
- Strong Digital Tools
 - Immediate feedback for students
- ALEKS
 - Is a fully adaptive digital tool that will help teachers and students identify gaps and strengths
- Supports Designed for Diverse Learners
 - Consistent structures to aid teachers in supporting diverse learners.
- Units have a realistic pacing

REVISED MISD MATH PATHWAYS

Mercer Island School District

MATH PATHWAYS FOR GRADES 5-12

