



High School Mathematics Textbook Review Committee Findings

General Curriculum Committee

April 18, 2023



BACKGROUND

- UCSMP textbooks published before the adoption of the Maryland College and Career Ready Standards.
- Teachers utilize insert lessons and teacher-developed lessons and materials.
- Intended to convene a textbook review committee in March 2020.
- Convened a textbook review committee in March 2023.

High School Textbook Review Committee





High School Textbook Review Committee

Offices of:

- Instructional Technology
- Accessibility
- Equity and Cultural Proficiency







Evaluation Tools

Tool 1 Mathematics Content

Rubric for evaluating Mathematics Content and Balance of Mathematical Understanding and Procedural Skills

Content Coverage Rubric

Bal:
Unc
Rub

Nationally recognized set of tools to assess each program.

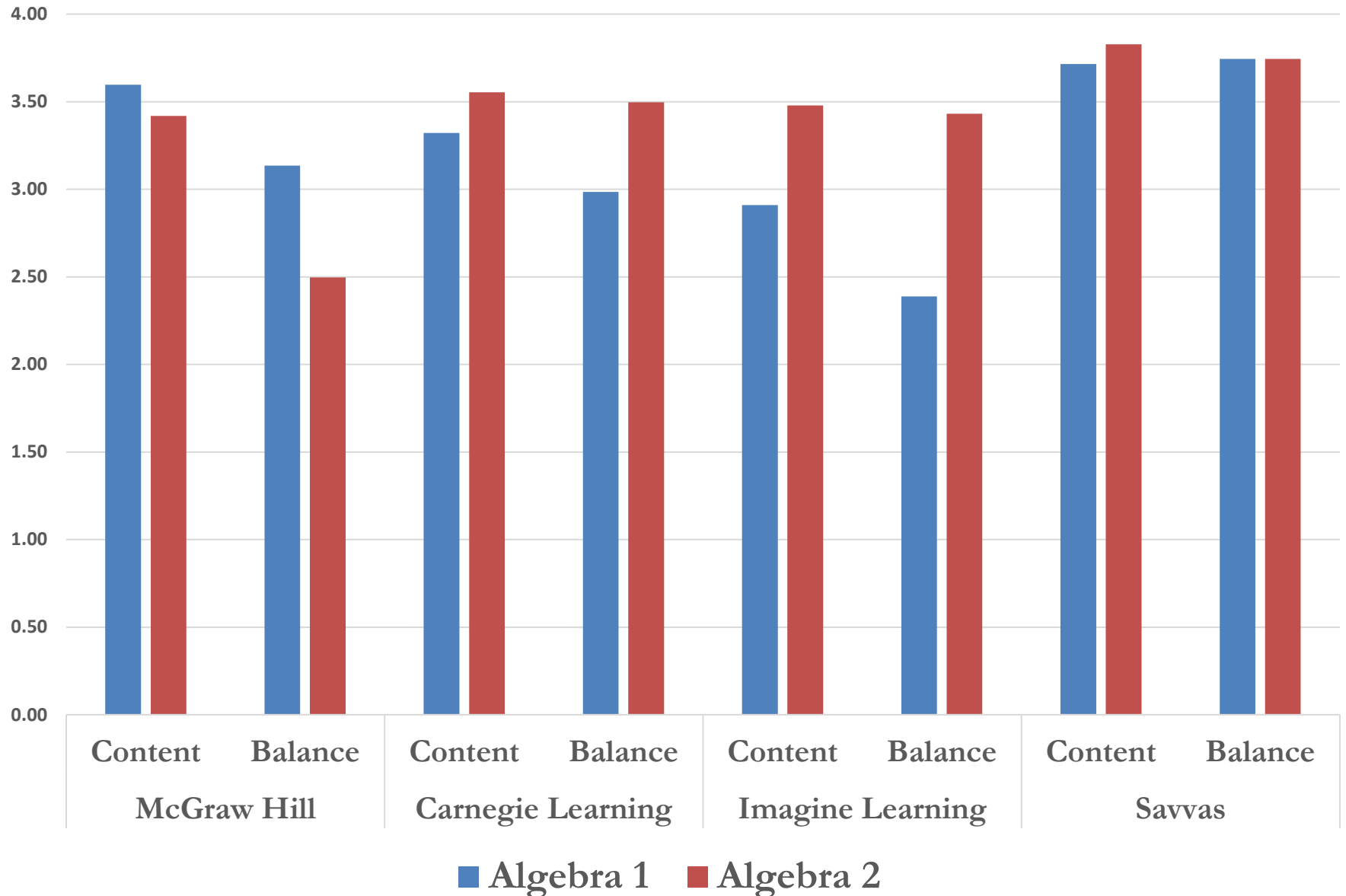
Tool 2 Mathematical Practices

Rubric to evaluate Opportunities to Engage with the Standards

Tool 3 Overarching Considerations

Equity
Formative Assessment
Technology
Ease of Use

Tool 1: Content and Balance





Tool 1: Content and Balance

	McGraw Hill		Carnegie Learning		Imagine Learning		Savvas	
	Content	Balance	Content	Balance	Content	Balance	Content	Balance
Algebra 1	3.60	3.14	3.32	2.99	2.91	2.39	3.72	3.75
Algebra 2	3.42	2.50	3.55	3.50	3.48	3.43	3.83	3.75

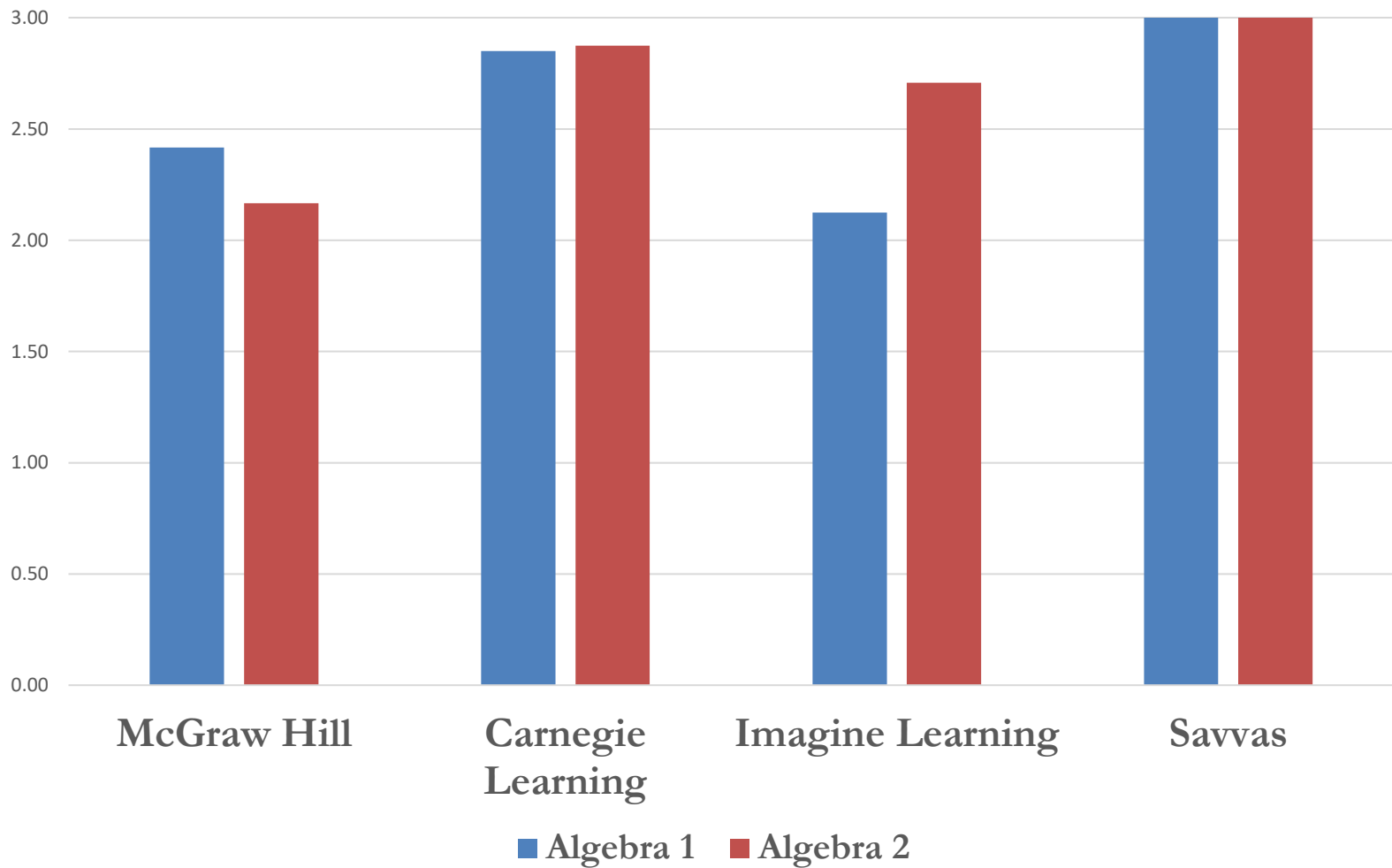
Content Coverage

Balance of Mathematical Understanding and Procedural Skills

Scoring:

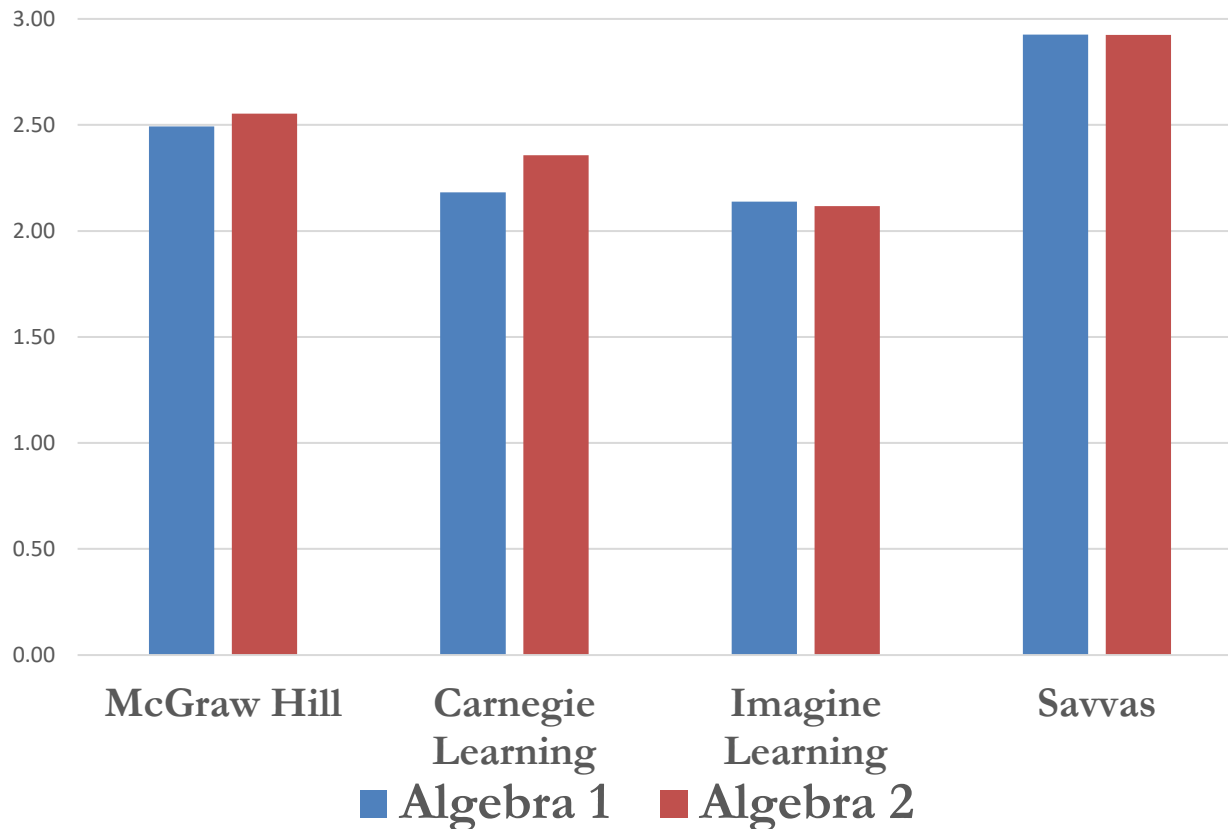
Not Found = 0, Low = 1, Marginal = 2, Acceptable = 3, High = 4

Tool 2: Mathematical Practices



	McGraw Hill	Carnegie Learning	Imagine Learning	Savvas
Algebra 1	2.42	2.85	2.13	3.00
Algebra 2	2.17	2.88	2.71	3.00

Tool 3: Overarching Considerations

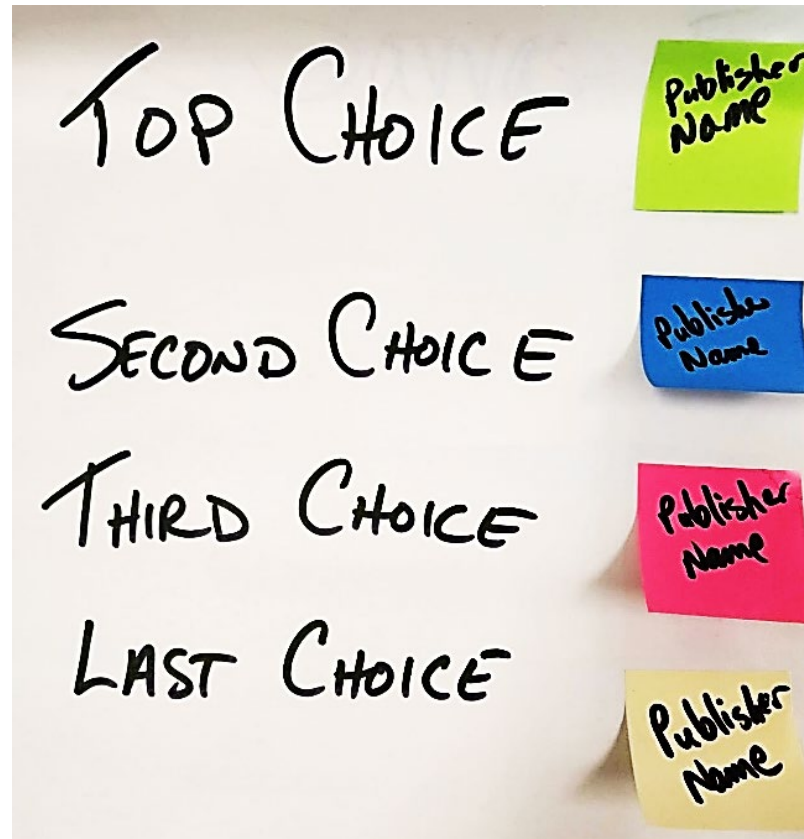


	McGraw Hill	Carnegie Learning	Imagine Learning	Savvas
Algebra 1	2.49	2.18	2.14	2.93
Algebra 2	2.55	2.36	2.12	2.93



Deliberation and Consensus

Preliminary Ranking



McGraw-Hill

 $\frac{1}{E}$ [illegible]

52
2.4

Carnegie

PINK

A collection of 18 sticky notes on a light-colored surface. The notes are arranged in a grid-like fashion. Most are yellow, but there are several blue and pink ones. The text on the notes is handwritten and includes 'Carnegie', 'Carnegie Learning', and 'Carnegie Learning'.

68

Imagine Learning

1.4

Illustrative Learning

[illegible]

book
flexibility
teacher/
student
supports
alignment

69

Savas-EnVision
BLUE

BLUE

A collection of colorful sticky notes and a whiteboard with handwritten text and a large orange number '31'.

Sticky Notes:

- Row 1: Savvas, Savvas, Savvas, Savvas, Savvas, Savvas, Savvas
- Row 2: En Vision, Savvas Emission, Savvas, Savvas, Savvas
- Row 3: Savvas, Savvas, Savvas, Savvas, Savvas
- Row 4: Savvas Emission, Savvas Emission, Savvas Learning Company, Savvas
- Row 5: Savvas, Savvas, Savvas
- Row 6: Savvas



Whiteboard:

- Large orange number '31' with a horizontal line underneath it.
- Large orange number '36'.

$$\frac{31}{3.6}$$



Deliberation and Consensus

-  Preliminary Ranking
-  Critical Criteria Identified

What are we looking for in our primary resource that supports the teaching and learning of mathematics?

Share one idea per post.

Curriculum Alignment

+

Aligned with content standards

♥ 1

💬 0

👤 Add comment

mathematical practices

♥ 1

💬 0

👤 Add comment

Continuity through grade levels and courses

♥ 1

💬 0

👤 Add comment

Prerequisite skill information

This will aid special educators in scaffolding skills for students with deficits related to their disabilities.

♥ 1

💬 0

👤 Add comment

Aligns to curriculum

♥ 3

💬 0

👤 Add comment

standard based

♥ 0

💬 0

👤 Add comment

Pillars of Rigor

+

problems with different depth of knowledge

♥ 3

💬 0

👤 Add comment

activities to promote understanding

♥ 1

💬 0

👤 Add comment

Real world application

♥ 2

💬 0

👤 Add comment

problems that connect to other math content/courses

♥ 2

💬 0

👤 Add comment

Appropriate activities

♥ 1

💬 0

👤 Add comment

Equity/Ease of Use

+

equity

♥ 1

💬 0

👤 Add comment

Accessible

♥ 1

💬 0

👤 Add comment

Spanish resources

♥ 5

💬 1

👤 Robert Reider 20d
And other resources for other languages

👤 Add comment

Examples and language that students can understand.

♥ 1

💬 0

👤 Add comment

ease of use for teachers and students

♥ 5

💬 0

👤 Add comment

adequate space for students to show work in workbook

♥ 4

💬 0

👤 Add comment

something nice to look at!

♥ 1

💬 0

👤 Add comment

Student Supports

+

Extension problems

♥ 2

💬 0

👤 Add comment

remediation resources

♥ 3

💬 0

👤 Add comment

vocabulary

♥ 1

💬 0

👤 Add comment

Differentiation that is easy to implement

♥ 3

💬 0

👤 Add comment

Supplementary video lesson

♥ 2

💬 0

👤 Add comment

Opportunities for review

To help close achievement gaps and for students with deficits

♥ 2

💬 0

👤 Add comment

Assessment Resources

+

Formative activities

♥ 4

💬 0

👤 Add comment

assessments that assess modeling/reasoning

♥ 2

💬 0

👤 Add comment

assessment of learning

♥ 1

💬 0

👤 Add comment

assessment resources-test bank

♥ 1

💬 0

👤 Add comment

Online Resources

+

Resources for teaching

- think abouts
- questions to further understanding
- what students may struggle with

♥ 3

💬 0

👤 Add comment

Resources for parents

♥ 2

💬 0

👤 Add comment

Student-Friendly technology resources and supplements (Like Mathia)

♥ 2

💬 0

👤 Add comment

online text and electronic resources

♥ 0

💬 0

👤 Add comment

Interactive computer component

♥ 2

💬 0

👤 Add comment

online tools and resources

♥ 4

💬 1

👤 Butz, Wendy 20d
problem banks

👤 Add comment





Resources for skill practice

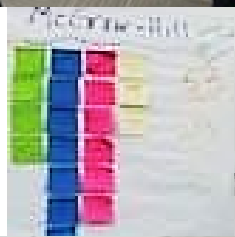
♥ 1

💬 1








Deliberation and Consensus

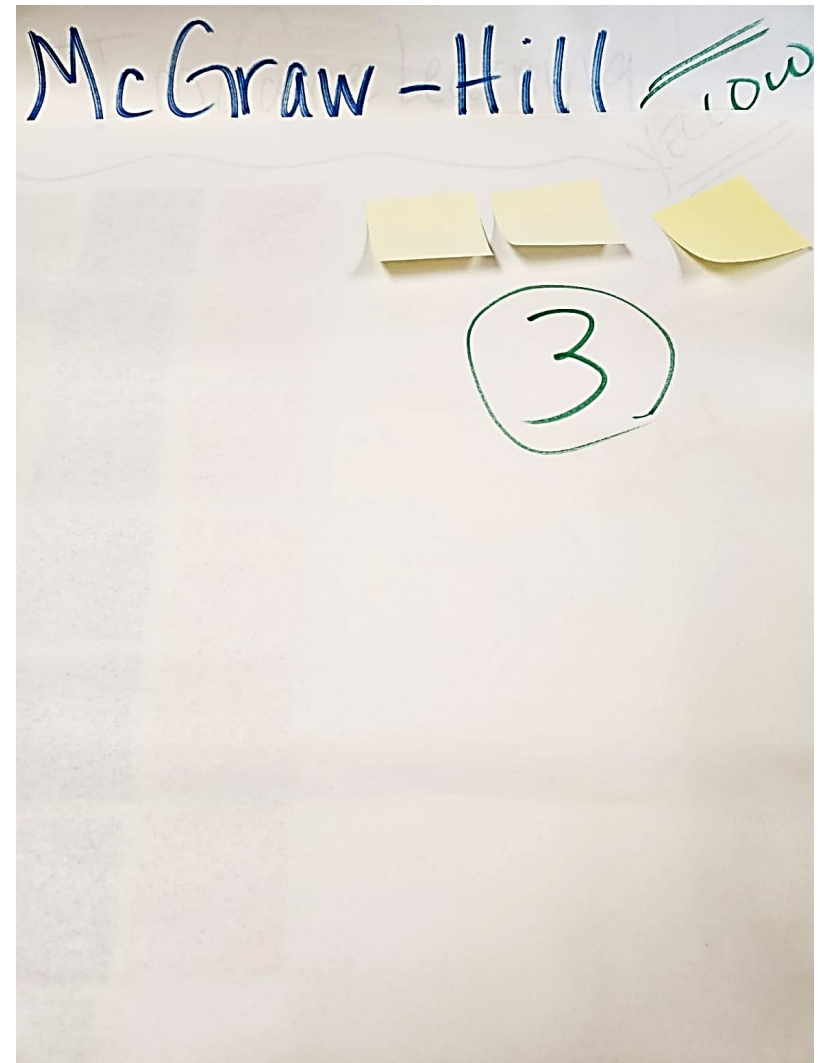
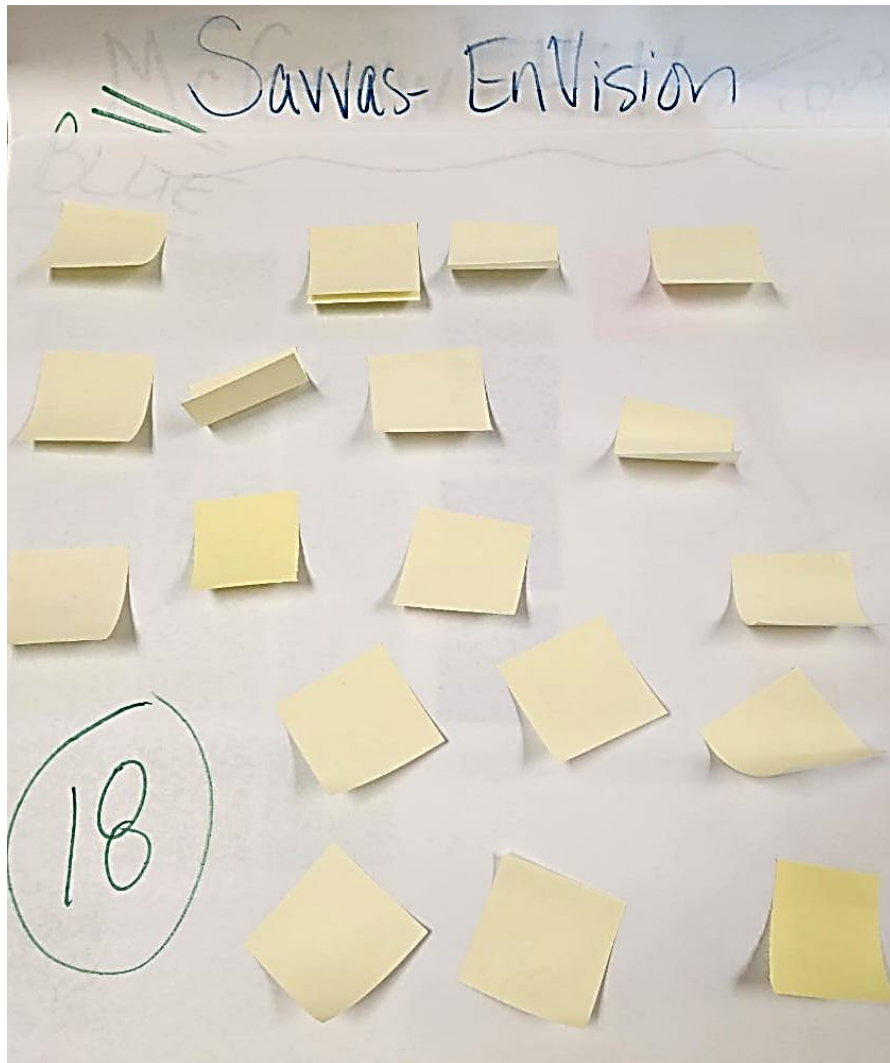
-  Preliminary Ranking
-  Critical Criteria Identified
-  Cross-course Articulation and Justification
-  Reexamination of program materials





Deliberation and Consensus

-  Preliminary Ranking
-  Critical Criteria Identified
-  Cross-course Articulation and Justification
-  Reexamination of program materials
-  Final Recommendation



All Informational Reports are pre-decisional
written material




SAVVAS
LEARNING COMPANY


enVision™






ADDITIONAL ACTIONS

-  Contract Negotiations
 - Pricing
 - Technology Requirements

-  High School Principals

-  Professional Development Plan



REQUEST

The Mathematics Office
is requesting that the adoption of



2024 edition for high school
Algebra 1 and Algebra 2
be approved.



QUESTIONS