



# 6-12 Mathematics OER

## Adoption Guide

*For additional information (e.g. pricing, copyright, ISBN) and Idaho completed evaluations, please contact the curricular materials coordinator.*

### 2018 REVIEW

#### Georgia DOE

##### OER GSE Geometry, 9<sup>th</sup>-12 Grades: Component

- Strengths:
  - Lots of videos to aid in learning.
  - Text-to-talk
  - Scaffolding - Starts basic and builds
- Weaknesses:
  - Lack independent practice for students.
  - Manipulatives are not interactive.
- Other: Assessments and Discussion Boards were not evaluated because they are not free and we were not given access to them.

### 2017 REVIEW

#### EngageNY

##### EngageNY 6<sup>th</sup>-8<sup>th</sup> Grades: Basic

- Strengths: These materials match the CCSS very well, building conceptual understanding throughout the scope and sequence. The mathematical practice standards are addressed multiple times in a variety of activities. Pre-Assessments are designed to assess previous grade level concepts in order to predict success in the upcoming unit. Performance tasks are also provided at the end of each unit to give application practice. Materials are easy for students, teachers, and parents to navigate. The materials are streamlined and simple with high-quality visual representations and digital tools. Standards are embedded and linked with one another rather than stand-alone lessons for each standard. The lesson overviews provide background knowledge and content

knowledge for teachers to support their instruction. There are multiple content delivery options including digital, printable, and a hybrid lessons. Digital devices are not required to enact the curriculum.

- Weaknesses: Materials are easily adapted to the needs of diverse learners. There are suggestions within lessons for how to do this. However, there are not separate workbooks or lessons to support English Language Learners or students with special needs. Some districts may find that they may want to supplement with additional practice problems.
- Other: The reviewers agreed unanimously that these materials provide a well-rounded highly rigorous curriculum.

### **EngageNY Algebra 1 9<sup>th</sup>-12 Grades: Comprehensive**

- Strengths: It is online and much of the program is free. Program has supports for parents online. Many lessons have videos to introduce the topic and provide the task. The program has PD for teachers to help teachers learn the lesson and prepare to teach the content in a common core manner. Each lesson has an introduction to the concept, a task, an exit ticket and additional practice. At certain points the materials also have pre-planned assessments that come with pre-created rubrics to grade students. Has alignment to a variety of high stakes tests. Program has manipulatives for students.
- Weaknesses: Did not see an interactive online portion. Additional problems are non-existent. Limitations on what you can post online. Teachers must make sure to attribute the materials to EngageNY. If teachers modify materials and post online, EngageNY can use teacher materials without reimbursement or acknowledgement of the source.  
Other: Most people view this program as an only online system. It is possible to order student workbooks and teacher books to go along with this program.

### **EngageNY Algebra 1 9<sup>th</sup>-12 Grades: Comprehensive**

- Strengths: Engage NY is online and much of the program is free. The program has supports for parents online. Many lessons have videos to introduce the topic to students and provide the task. The program has Professional Development for teachers to help teachers learn the lesson and prepare to teach the content in a common core manner. Each lesson has an introduction to the concept, a task, and exit ticket and additional practice. At certain points the materials also have pre-planned assessments that come with pre-created rubrics to grade student work. The content has alignment to a variety of high stakes tests. The program also has manipulatives for students.
- Weaknesses: Did not see an interactive portion on line. Additional problems are non-existent. There are limitations on what you can post online. All materials must be attribute to Engage NY. If teachers modify materials and post them on line, Engage NY

can use the teacher materials without reimbursement or acknowledgement of the source.

- Other: Most people view this program as only an online system. It is possible to order student workbooks and teacher books to go along with this program.

## Math Vision Project

### Math Vision Project Integrated 1, 9<sup>th</sup>-12<sup>th</sup> Grades: Comprehensive

- Strengths:
  - Written specifically for the CCSS.
  - Multiple entry levels for tasks, all students are active participants in the task.
  - Tasks are based on discovery learning and collaborative work, the teacher is a facilitator.
- Weaknesses:
  - Not enough drill for the developing concepts in the homework, needs to be supplemented.
  - Teacher materials and answer keys must be purchased.
  - Assessments must be purchased.
  - Currently, the curriculum is only available in English and Spanish.
  - Lacks extra resources.
  - No free PD available, but may be available for purchase.
- Other:
  - The curriculum is continuously reviewed and modified based on feedback from users.
  - The reviewers for this curriculum have firsthand knowledge and experience of the curriculum and have personally implemented the curriculum in their classrooms for 4 years.

### Math Vision Project Integrated 1, 9<sup>th</sup>-12<sup>th</sup> Grades: Comprehensive

- Strengths:
  - Written specifically for the CCSS.
  - Multiple entry levels for tasks, all students are active participants in the task.
  - Tasks are based on discovery learning and collaborative work, the teacher is a facilitator.
  - The materials is pretty rigorous.
- Weaknesses:
  - Not enough drill for the developing concepts in the homework, needs to be supplemented.

- Teacher materials and answer keys must be purchased.
- Assessments must be purchased.
- Circles module is weak. Could use more circle relationships.
- Currently, the curriculum is only available in English and Spanish.
- Lacks extra resources.
- No free PD available, but may be available for purchase.
- Other:
  - The curriculum is continuously reviewed and modified based on feedback from users.
  - The reviewers for this curriculum have firsthand knowledge and experience of the curriculum and have personally implemented the curriculum in their classrooms for 4 years. Open Up Resources

### **Open Up Resources, 6<sup>th</sup>-8<sup>th</sup> Grades: Comprehensive**

- Strengths: These materials match the CCSS very well, building conceptual understanding throughout the scope and sequence. The mathematical practice standards are addressed multiple times in a variety of activities. Pre-Assessments are designed to assess previous grade level concepts in order to predict success in the upcoming unit. Performance tasks are also provided at the end of each unit to give application practice. Materials are easy for students, teachers, and parents to navigate. The materials are streamlined and simple with high-quality visual representations and digital tools. Standards are embedded and linked with one another rather than stand-alone lessons for each standard. The lesson overviews provide background knowledge and content knowledge for teachers to support their instruction. There are multiple content delivery options including digital, printable, and a hybrid lessons. Digital devices are not required to enact the curriculum.
- Weaknesses: Materials are easily adapted to the needs of diverse learners. There are suggestions within lessons for how to do this. However, there are not separate workbooks or lessons to support English Language Learners or students with special needs. Some districts may find that they may want to supplement with additional practice problems.
- Other: The reviewers agreed unanimously that these materials provide a well-rounded highly rigorous curriculum.

## Utah Middle School Math Project

### Utah Middle School Math Project, 7<sup>th</sup> Grade: Basic

- Strengths: This curriculum is very helpful in teaching 7th grade math. All content and math practice standards are addressed and identified. The problems are understandable and relevant to 7th graders. In particular, the math practice standards component is especially strong.
- Weaknesses: No assessments provided.

### Utah Middle School Math Project, 8<sup>th</sup> Grade: Basic

- Strengths: This curriculum is very helpful in teaching 8th grade math. All content and math practice standards are addressed and identified. The problems are understandable and relevant to 8th graders. In particular, the math practice standards component is especially strong.
- Weaknesses: No assessments provided.

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### For Questions Contact

Instructional Support for Student-Centered Learning  
Idaho State Department of Education  
650 W State Street, Boise, ID 83702  
208 332 6800 | [www.sde.idaho.gov](http://www.sde.idaho.gov)