A Story of Ratios, Grades 6-8

Eureka Math Guidebook
A definitive guide for navigating Common Core’s Eureka Math website
We have a fully functional video gallery with over 30 videos to help provide you with professional development, best teaching practices, and support the implementation of Common Core’s Eureka Math in your classroom. Getting started with our video gallery is very simple.

Step 1: Drop

Select the drop down menu option labeled Eureka Math and click on “Video Gallery”

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Step 2: Video Gallery View

Scroll through our Video Gallery and select the videos that interest you.

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Step 3: Video View

After selecting a video from the video gallery, you will be directed to the video view page.

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Step 4: Embedded Videos

Strategically placed throughout Eureka Math are embedded videos to help teachers understand new concepts, classroom support ideas, and best teaching practices.
Common Core State Standards

We have several features in Eureka Math that help teachers guide students towards mastery of the Common Core State Standards. With Eureka Math, you can be assured that the CCSS-M are addressed at the Module, Topic, and Lesson levels. Common Core Standards are split into Focus Standards, Foundational Standards, and Highlighted Standards for Mathematical Practice. With the Standards-based search tool, you can find any standard and track its learning trajectory across domain areas embedded within the Common Core State Standards.

At the Module, Topic, and Lesson levels, the CCSS are classified into 4 major categories. These categories are drop-down menus.

Focus Standards are the major standards that the Module targets. In this case, they are Kindergarten standards. Each standard, such as K.MD.3, hyperlinks to a domain page that addresses all of the standards in that area.

Foundational Standards are prerequisite knowledge that support the Focus Standards. In this case, Kindergarten K.CC.4 standards act as a foundation for the above Focus Level Standards. These standards are also fully navigable.
Highlighted Standards for Mathematical Practice are also fully navigable. These standards act as the guide to create a well-rounded, common core aligned classroom environment.

This is the Common Core Standards domain area landing page. All standards that fall under the same domain area can be found together. Both, adding teachers with alignment to the CCSS and assuring multi-grade cohesion of content.
Standards Based Search Tool

Eureka Math’s Standards Based search tool allows teachers to identify lessons associated with CCSS-M and align grade level focus standards. With an uninterrupted flow from Grade K to Grade 10, teachers now have a tool to support the gap left with implementing the CCSS at higher grades. This feature also supports academic intervention, teaching students low in mathematics, and students with disabilities.

Interactive Foundational Standards. Select one and it provides you with foundational support lessons.

Interactive Focus Standards. Select one and it takes you to more advanced lessons associated with that string of CCLS Domain.

Grade Level lessons associated with the selected Common Core Standard.
Differentiated Instruction Tools

Researched-based Universal Design for Learning (UDL) has provided a structure for thinking about how to meet the needs of diverse learners. Broadly speaking, that structure asks teachers to consider multiple means of representation; multiple means of action and expression; and multiple means of engagement. UDL tool offers embedded scaffolds, utilizing this framework, for English Language Learners, Students with Disabilities, Students Performing above Grade Level, and Students Performing below Grade Level. UDL offers ideal settings for multiple entry points for students and minimizes instructional barriers to learning.

“We Notes” boxes are always at the Module, Topic, and Lesson level. Want to search for specific UDL boxes? Just click on the scaffolds tab and all scaffolds for the entire module will appear.

Scaffolds are embedded within lessons throughout A Story of Units, Ratios, and Functions. Simply activate the “Read More” section.

The Notes Tool allows you to write notes for each lesson. You can write as much as you need to, bookmark the page, and come back another day. This feature provides teachers with a digital notepad embedded within the very heart of the curriculum.
Eureka Math – www.commoncore.org

To access Eureka Math:

2. In the upper right-hand corner, click on ‘Account Log-In’.
3. Enter your username and password. Click on submit.
4. Click on ‘Eureka Math’.
5. Navigate through Eureka Math from this page. Click on, or hover over, Eureka Math.

Click here to access the menu for Eureka Math

Click here to go back to the Common Core homepage.

Learn about Common Core, Inc.

Link to suggested tools; organized by grade-level.

Search bar

Common Core, Inc. contact information.

Shortcut to the Curriculum Map.

Outlines PD opportunities.

Lists the Modules that you have bookmarked.

Blog containing thoughtful insights.

PDFs of reports that support the thinking behind the curriculum.

Keeps track of the pages that you have visited.

Hundreds convene for Common Core math training

Training on Eureka Math in Yuma share lessons from Arizona and Beyond.

Learn more

News

Louisiana State Superintendent recommends Common Core Math Curriculum.

The state’s new math standards are aligned with the Common Core State Standards (CCSS).

Learn more
6. Hover down to and click on, or just click on, ‘Main’.

**Main** – Two different views of the curriculum – each are color coded to highlight the domains found within the CCSS-M.

**Span View** –

6-12 are listed within “A Story of Ratios and Functions”.

8-12 are listed within “A Story of Functions”.

Clicking on the module number.

**Grade View** -

Grade 6 Modules 1-6 -
To access a Module:

1. Within the Span View, click on the Module. Within the Grade View, click on the Grade and then the Module.

2. Once you have accessed the Module, scroll down to see its contents. (If using an iPad, you’ll want to lightly swipe your fingers closed on the page to make the contents fit.)

Module Overview Link to the Progressions

Terminology Support, Assessment Summary, and Methods of Instructional Delivery.

Links to the next module.

Search each module through grade level standards. Enables teachers to adhere to the CCSS-M and focus on student learning.

Scaffolds are embedded throughout the curriculum to help teachers support students above and below grade level, along with students with disabilities and ELL students.

Click on the next lesson to open it.

Gives access to Topic Openers.
3. Materials download and accessing the module assessments.

Click here to download student materials, teacher materials, and the assessments bundle in PDF and Word form.

Navigable links to the standards search tool and description area.

Click here to download the Mid-Module and End-of-Module Assessment bundle in PDF form.

Time allotment per Topic.
4. Click on ‘Read More’ to see the full narrative of the Module Overview.
5. Scroll down further on the page. From here, access the Topic Opener by clicking on the Topic.
6. Once within the Topic page, you can read the full narrative of the Topic Opener, investigate the CCSS found within the Module, learn the Modules that the Module builds from and bridges to, and have access to each of the lessons.

Example used in this screenshot: Grade 6 Module 2 Topic A Basic Construction

- Always find your way back to the beginning of the module and grade.
- Search for anything in the curriculum.
- Back to the curriculum maps.
- Topic Overview and description linking the CCSS.
- Navigable standards at the module, topic and lesson level.
- Interactive Module Standards.
- Cluster of lessons in Grade 6 Module 3 Topic A.
- Write notes that automatically save, and are always there to refer back to.

Click here to create a new note.
7. Once within the Lesson, you can access PDFs of the lesson materials, investigate the different parts of the lesson, and take notes.

Book mark lesson level pages and retrace your steps back through the curriculum.

Click here to access our professional development page.

Questions? Contact us here.

Search for anything in our curriculum.

In Grades 9-12, the lesson overview page is represented in three section: Student Outcomes and Objectives, Classwork and Solutions.

By clicking on the Solutions tab, you can find answers to all of the student classwork, assessments, and homework.

Editable Word files can also be downloaded from the "Download All Files" tab.

Each lesson view has a downloadable lesson materials section, where you can download key components of the lesson or download the entire lesson materials for easy printing.
8. Components of the Lesson: Click on the sections under classwork to access key components of the lesson.
Access the ‘Dashboard’ to update your contact information.

Access the ‘Video Gallery’ to find a wealth of information contained within short videos.

Access ‘Tools and Representations’ to see pictures of the tools used with the Modules and to find ordering information.
Access ‘About Eureka Math’ to read about curriculum and to find a link to Frequently Asked Questions.

Access ‘About the Team’ to learn about the Common Core team that worked together to create Eureka Math.

Access ‘FAQ’ to find the answers to Frequently Asked Questions and to find Contact Information for Common Core, Inc. (help@commoncore.org)
Access ‘Free Sample’ to download a sample Module.

Access ‘Module PDFs’ to download each of the Eureka Math Modules.

To Download and save PDF:

1. Click on the Module you wish to download.

2. Click on the ‘Save’ symbol.

3. Indicate where you would like to save the file and under what File Name and then click ‘Save’.

Download any module by grade level.
Components of the Module

**Module Overview** – Gives an overview of the Module and outlines the progression of the lessons from the beginning of the module to the end of the module.

**Topic Opener** – Gives an overview of a topic within the Module. The Topic Openers are like the Module Overview but give more detailed information, including information regarding specific lessons within the module.

**Time Allotment** – This is the amount of time allotted for the Module. The time allotment includes time for review and time to administer the assessments.

**Methods of Instructional Delivery** – Provide directions for routines which are consistently found throughout the modules.

**Module Standards** – These are the Common Core State Standards (CCSS) that are addressed within the module. Within each of the documents, the CCSS are bolded.

- **Focus Grade-Level Standards** – CCSS that are a focus within the Module
- **Foundational Standards** – CCSS addressed prior to this Module that are essential for student learning and understanding. This section can be helpful in preparing for teaching lessons and for addressing the ‘gaps’ that will be experienced within the first couple of years of implementation.
- **Remedial Standards** –
- **Standards for Mathematical Practice** – Highlights which of the 8 Standards for Mathematical Practice are a focus of the Module and explains how each are addressed within the Module.

**Terminology** – Lists and defines both ‘New and Recently Introduced Terms’ and ‘Familiar Terms and Symbols’. (New terms are bolded within the lessons to indicate the first time that students are exposed to them. New terms also appear bolded in the Debrief.)

**Assessment Summary** – Gives key information about the assessments of the Module including where within the Module they are given and what Standards are addressed.

**Scaffolds** – Provides differentiation ideas for English Language Learners, Students with Disabilities, and Students working Above Grade-level or Below Grade-level.

**Module Coherence** – Calls out the Module upon which shoulders this Module stands and also to which Module it bridges.

**Fluency** – Generally the first part of the lesson - Helps to build fluency and automaticity – Fluency activities are generally focused on one of the following: preparation, maintenance, or anticipation.

**Application Problem** – Generally the second part of the lesson – Requires Application of concepts that students have learned.
**Concept Development** – Generally the third part of the lesson – This is the part of the lesson focused on new learning.

**Debrief** – The last component of the lesson. Students uncover the objective of the lesson and discuss key points of the lesson. The Exit Ticket is part of this component.

**Practice Sheets/Templates** – Materials created to be used within the lesson.

**Sprint Sheet** – Two-Sided sheet of fluency facts.

**Problem Set** - Completed within or after the Concept Development of the lesson; Composed of problems related to the objective of the lesson.

**Exit Ticket** – Completed as the last part of the Debrief to give teachers a quick formative assessment of the learning from the lesson.

**Homework** – Most often mirrors the Problem Set and gives students additional practice with the learning of the lesson.

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**Resources**


Provides useful information in regards to implementation of *A Story of Units* including an explanation of math models.

*CCLS Checklist for ‘A Story of Units’*: [Blank]

‘At a Glance’ view of when each standard is addressed across all grade levels, K-5.

*A Story of Units Curriculum Overview*:

Overview of the P-5 Curriculum, including the curriculum map and detailed grade-level descriptions.

**Progressions Documents**: [Link to Progressions]

The Progressions are documents written prior to the development of the Common Core State Standards. The Progressions show how work within the domains ‘progresses’ from one grade level to the next and help to give the reader a clearer understanding of expectations within each domain.

**Common Core State Standards**: [Link to CCSS]