

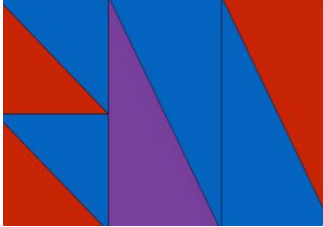


Math Counts K-6

Issue 20 • March 2024

K-12 Program Team

Math Conversation:



[Fraction Talks](#) invite students to investigate fractions in a visual and engaging way. Through investigation, students will develop an understanding of ways to

visualize, reason, and operate with fractions. After solving a few "fraction talks," challenge your students to make their own!

Tinkercad:

[Tinkercad](#) is a versatile tool that combines 3D design, electronic simulations and community collaboration, making it accessible for both beginners and experienced makers. Students can use the web-based 3D design and simulation platform to create, design and develop projects that focus on Circuits, Coding, and Engineering. Students can bring their imagination to life.



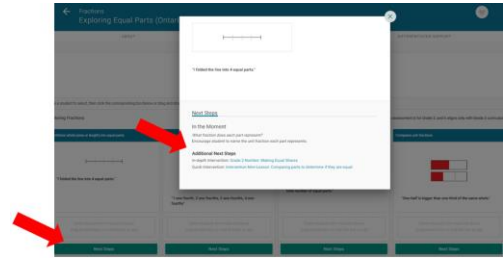
AUTODESK®
TINKERCAD®

High Impact Instructional Practices: Flexible Groupings

[Flexible grouping](#) in a math class allows students to work independently while receiving support from their peers. The intentional combination of large-group, small-group, partner, and independent work experiences can create a rich, mathematical learning environment. Collaborative groups that are flexible work best because students need to be grouped differently for different reasons.

Good Resource to Explore: Mathology

Looking for resources to support your small group instruction?

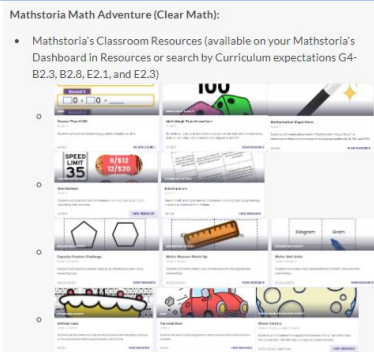


[Mathology](#) offers Next Steps in the Assessment tab of every lesson. Here you will find In the Moment Next Steps and Intervention or Extension lessons that can be used during your small group time based on the students' strategies.

Math Long Range Plans: Responsive, Purposeful Practice

What are the rest of your students doing during small group instruction time?

The [Math Long Range Plans DRB](#) offers many practice ideas in Responsive, Purposeful Practice including Classroom Resources from [Zorbits/Mathstoria!](#)



Mathematical Modelling:

PEOPLE WHO LOOK AT THE SAME MODELING PROBLEM MAY HAVE DIFFERENT PERSPECTIVES INTO ITS RESOLUTION AND CAN CERTAINLY COME UP WITH DIFFERENT, VALID ALTERNATIVE SOLUTIONS.

The process of mathematical modelling is a connected and iterative process used in real world situations, enabling students to incorporate knowledge from other strands. It allows students to

answer questions that are important to them. Check out this sample Mathematical Modelling Task, [West Brant New School](#) or [Caledonia New School](#).

Image Source: [Math Modeling](#)