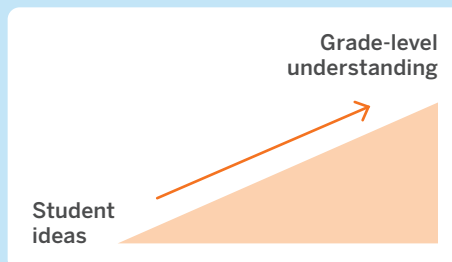


Lesson design

Amplify Desmos Math lessons are designed to provide collaborative learning experiences.



Warm-Up



Activities
Launch → Monitor → Connect



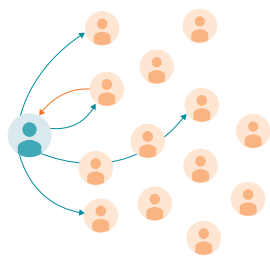
Synthesis



Reinforcement

Amplify Desmos Math is designed with a structured approach to problem-based learning that systematically builds on students' curiosity. Students are first invited to explore problems that create an intellectual need for new mathematical ideas. Then the teacher builds on strategies used by students and connects their ideas to the learning goals of the lesson.

Every lesson activity is organized into a Launch, Monitor, Connect format, enabling teachers to set students up for success with each task.

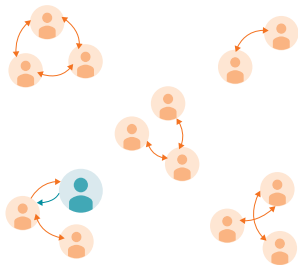


Launch

The launch is a short, whole-class conversation that creates a need or excitement, provides clarity, or helps students connect to their prior knowledge or personal experience, which ensures that everyone has access to the upcoming work.

Considerations for launching include:

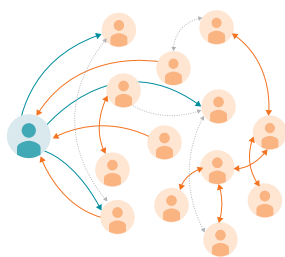
- Try to keep it short. Set students up to get started with a clear and catchy invitation to the math.
- Wait to model a specific way to solve. Leave space for a variety of different student approaches at the outset.
- Pair up. Encourage small groups of students to talk through their thinking as they work.



Monitor

As students work individually, in pairs, or in groups, teachers explore student thinking, ask questions, and provide support to help move the conversations closer to the intended math learning goal. Considerations for monitoring include:

- Look for students' strategies and check in with students as they work.
- Ask questions to learn what students are thinking. The suggested differentiation moves can be used to support, strengthen, and stretch their ideas.
- Use the Differentiation Teacher Moves to help you select and sequence student ideas to highlight when connecting.



Connect

Teachers connect students' ideas to the key learning goals of the lesson, facilitating class discussions that help students synthesize and solidify the big ideas.

Considerations for connecting include:

- Save a few minutes at the end of each lesson activity to bring students back together to discuss.
- It's OK to start the class discussion before all students have finished the activity.
- Center discussions on students' ideas by displaying one or more of their responses and connecting the responses to the Key Takeaway of the activity.