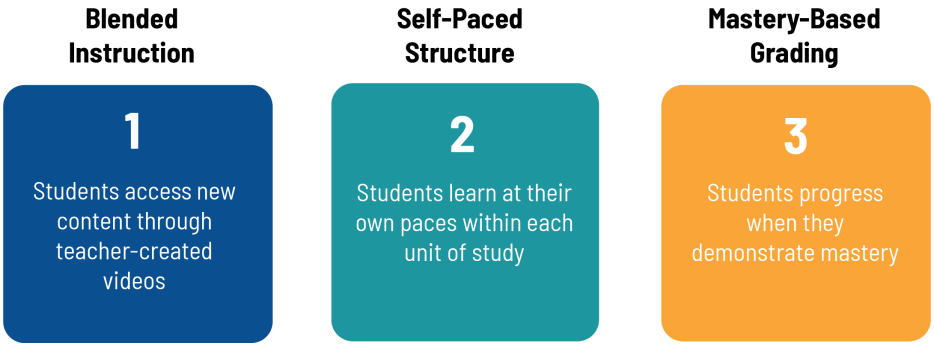
Mrs.Ash Math 8 Parent Information Packet
2024-2025

<u>This is a Modern Classroom!</u>

I am a Modern Classroom teacher meaning I create instructional videos so each of my students can move at their own pace and be graded on mastery. This use of technology allows me to work with students one-on-one or in small groups. In my class, different students will be working on different lessons on any given day, collaborating with students who are also working at their pace, or seeking help from students who are ahead. All students revise their work until they show true understanding of the material, and then advance to the next lesson. You can learn more about this research-based instructional model at modernclassrooms.org.

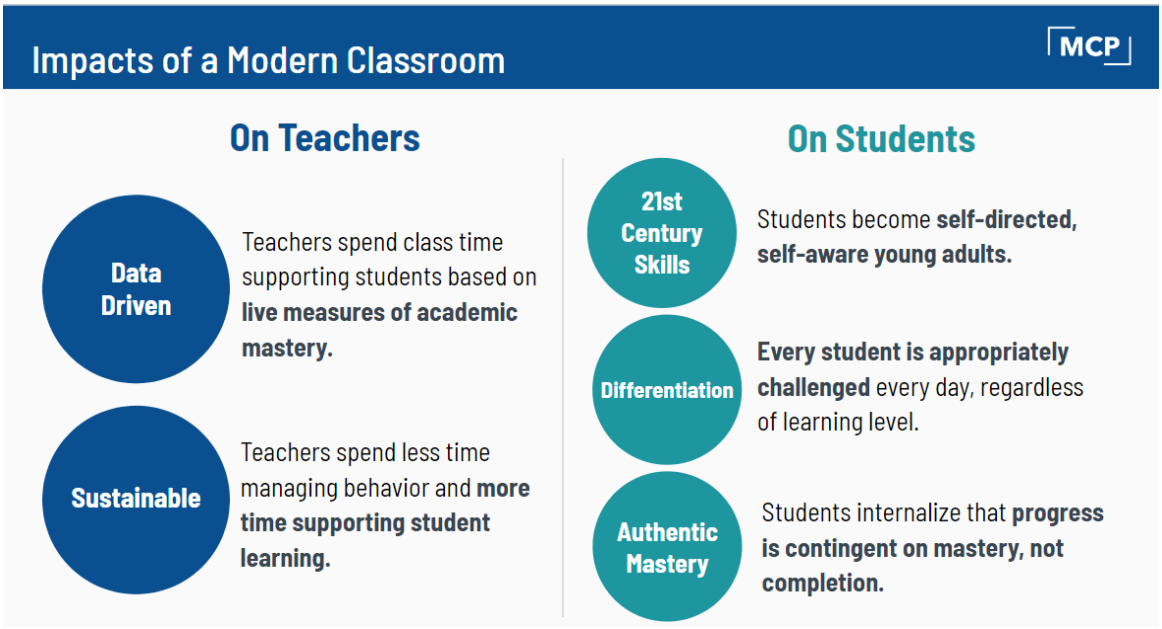


As the teacher, I use class time to support individuals and small groups of students, and to give timely feedback.

Students can catch up with videos outside of class. Students have the time they need to master content and skills.

My classroom is highly differentiated based on each learner's unique needs. Students advance through material only when ready.

Students build persistence and growth mindsets through revision and metacognitive reflection.



Example Classroom Pace for Unit 1:Solving Equations *Approximately 15 days*

Lesson 1: Solving 2 step equations with grouping symbols *Must do:* • Small group instruction organized by preassessment • Instructional video • Workbook Practice • Mastery Check on google forms. (minimum score required to move to next level) *Should Do:* • Conceptual Representation activity using algebratiles (taught in small group and videos) *Aspire to do:* • Quizizz Challenge Activity	**Lesson 2: Multistep equations (variables on one side)** *Must do:* • Small group instruction • Instructional video • Workbook Practice • Mastery Check *Should Do:* • Self-Checking practice activity - pixel art *Aspire to do:* • Create a quiz or game (blooket or quizizz) and share with a friend. Take each other's quiz and peer review.	**Lesson 3: Multistep Equations (variables on both sides)** *Must do:* • Small group instruction • Instructional video • Workbook Practice • Mastery Check *Should Do:* • Partner practice *Aspire to do:* • Create a graphic organizer on Canva to show how to solve multi-step equations. These may be printed with the poster maker and posted in the classroom and hallway.
Lesson 4: Identifying Number of Solutions to Equations *Must do:* • Small group instruction • Instructional video • Workbook Practice • Mastery Check *Should Do:* Card Sort *Aspire to do:* Digital Escape Room	**Lesson 5: Real World Equation Applications** *Must do:* • Small group instruction • Instructional video • Workbook Practice • Mastery Check *Should Do:* ACAP Practice Set *Aspire to do:* STEM Project: "Don't Fence Me In"	**Whole Class Review Game** **Unit Test**

Must Do: These activities are REQUIRED for learning the content that will be assessed.
Should Do: These activities allow for additional practice, work with other students, and further engagement with the content. Students will gain a deeper understanding.
Aspire to Do: These activities push students and challenge them to not just do the math, but to engage with it through content creation and advanced problem solving.