

# 8th Grade Math

## Mrs. Cox's Info!

- 🍎 **Teacher:** Mrs. Cox
- 🗽 **Core:** Cyclone Core - 8th Grade
- 💻 **Teacher Website:** [Cyclone Core-Mrs. Cox](#)
- 📄 **Room Number:** F-102
- ✉️ **Email:** [nikole.cox@adams12.org](mailto:nikole.cox@adams12.org)
- 🕒 **Office Hours:** Monday 4:15-4:45pm
- 🆘 **Additional Help:** by appointment



### Class Description:

In Grade 8 math, students will focus on three critical areas: (1) formulating and reasoning about expressions and equations; (2) grasping the concept of a function; (3) analyzing two- and three-dimensional space and figures.

### Units that we will cover:

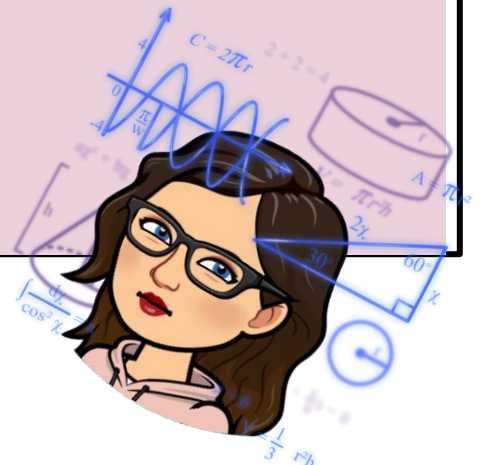
- 🌟 The Number System
- 🏂 Expressions and Equations
- 🌍 Functions
- 🔬 Geometry
- ☁️ Statistics and Probability

### Class Materials:

- 💻 Charged Laptop
- 📁 Class Binder
- 📁 Core folder
- 🖋️ Writing Utensils & Highlighters

### You will be able to:

- 🕒 Identify rational numbers and can approximate irrational numbers.
- 📝 Analyze and solve linear equations and systems of linear equations.
- 🔧 Use functions to model relationships between quantities.
- 📐 Understand and apply the Pythagorean Theorem.
- 🗣️ Explain mathematical concepts, skills and applications using appropriate mathematical vocabulary.
- 📊 Select and apply appropriate and efficient strategies to carry out procedural, numeric and symbolic work accurately, efficiently, and flexibly.



# Important Policies & Procedures:

## Attendance Policy:

Attendance will be taken and recorded daily. Students who are late to class will be marked Tardy. Excessive tardies will have a consequence assigned by the office.



## Absence Policy:

Absence policies are governed by the Adams 12 Five Star Schools Superintendent Policy. Please check the Cyclone Core [calendars](#) and websites for your school work as we will post it daily. This is your go to location for all assignments and makeup work. The district absence policy can be found in the [student handbook](#).



## Excused Absences AND Missing Work:

Missing scores for a student who has failed to attempt an assessment will become part of the overall demonstration of knowledge that I will consider for an MYP Final Mark.

Students may turn in missing work according to school policy which is *one day for each missed day plus one additional day to gather work*. Missing work will be graded after regular work. Missing assessments that are project based are **rarely** allowed, as advanced notice is given for assignments. In class assessments must be completed within the district requirements which is outlined in the [student handbook](#).

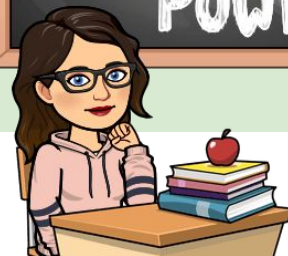
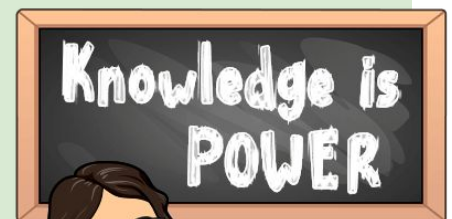
Remember, advocate for yourself!

**MISSING WORK IS YOUR  
RESPONSIBILITY! CHECK  
THE GRADEBOOK  
REGULARLY!**



## Technology Policy:

Technology applications and web 2.0 tools are used on a frequent basis in the classroom for application of learning, global community projects, and collaborations with the community and each other. It is a cornerstone for learning but is not all learning is about in this classroom. We will review Common Sense policies around our digital footprint, and the technology is to be used with respect in in both hardware and software use. Cyber bullying, inappropriate use of a machine or mobile device will eliminate the opportunity for students to use technology in the Individuals and Societies classroom. **Use of technology is a privilege, not a right.** Rules and expectations surrounding technology can be found in the [student handbook](#).



# Important Policies & Procedures:

## Office Hours:

Monday after school from 4:15 to 4:45pm or by appointment.

## Asking for help:

I am here to help! The quickest way to ask for extra help is by emailing me with a question and exactly what you need more assistance with in your learning. You should attend extra help often and can always go to Mrs. Myers (Tuesday before school F104) or Mr. Meade (Thursdays before school F108) for more extra help times.

## IB Learner Profiles:

An IBMYP Learner strives to be:

**? Inquirers** - We nurture our curiosity, developing skills for inquiry and research. We know how to learn independently and with others. We learn with enthusiasm and sustain our love of learning throughout life.

**🧠 Knowledgeable** - We develop and use conceptual understanding, exploring knowledge across a range of disciplines. We engage with issues and ideas that have local and global significance.

**💡 Thinkers** - We use critical and creative thinking skills to analyze and take responsible action on complex problems. We exercise initiative in making reasoned, ethical decisions.

**🗣️ Communicators** - We express ourselves confidently and creatively in more than one language and in many ways. We collaborate effectively, listening carefully to the perspectives of other individuals and groups.

## IB Learner Profiles (Cnt'd):

**⚖️ Principled** - We act with integrity and honesty, with a strong sense of fairness and justice, and with respect for the dignity and rights of people everywhere. We take responsibility for our actions and their consequences.

**👂 Open-minded** - We critically appreciate our own cultures and personal histories, as well as the values and traditions of others. We seek and evaluate a range of points of view, and we are willing to grow from the experience.

**💕 Caring** - We show empathy, compassion and respect. We have a commitment to service, and we act to make a positive difference in the lives of others and in the world around us.

**🚀 Risk-takers** - We approach uncertainty with forethought and determination; we work independently and cooperatively to explore new ideas and innovative strategies. We are resourceful and resilient in the face of challenges and change.

**🧘 Balanced** - We understand the importance of balancing different aspects of our lives—intellectual, physical and emotional—to achieve well-being for ourselves and others. We recognize our interdependence with other people and with the world in which we live.

**🤔 Reflective** - We thoughtfully consider the world and our own ideas and experience. We work to understand our strengths and weaknesses in order to support our learning and personal development.

More information about the IB MYP policies at CMS can be found on page 18 in the [student handbook](#).

**You Can Do It!**



## Academic Honesty:

Academic Honesty (Integrity) can be defined by honest academic work where the ideas and the writing of others are properly cited; students submit their own work for tests and assignments without unauthorized assistance; students do not provide unauthorized assistance to others; and students report their research or accomplishments accurately. (School for Ethical Education)

### **Students will:**

- 👍 Act with integrity in all work.
- 🗣️ Acknowledge when they feel they are not in a position to produce original work.
- 👩🏫 Seek assistance from their teacher(s), parents, and fellow students so they can avoid an infraction.

### **When taking an assessment:**

- 👁️ Keep their eyes on their own work
- 👤 Keep answers hidden from others
- 📁 Put all notes and extra items away before beginning.
- 👩🏫 Report any violations or suspicions of violations to a teacher or administrator
- 🔪 Not use additional electronic or shared resources unless given explicit permission to do so in the instructions of the assessment.

### **Parents will:**

- 💕 Support students and the school in creating a community where students will independently create original work.
- 🔪 Guide students in taking advantage of academic resources provided by faculty and/or posted on staff webpages, the CMS website, Schoology, etc.
- 💬 Communicate with staff when a student is struggling with an assignment.
- 👍 Support the faculty in helping students recognize the importance of this policy and the value of academic honesty.

More information about academic honesty can be found on page 8 in the [student handbook](#).

## Grading:

This course assesses on 4 (four) criteria. The criteria are

- Criterion A—Knowledge and Understanding 🌐
- Criterion B—Investigating Patterns 🧑
- Criterion C—Communicating 💬
- Criterion D—Applying Mathematics in Real Life 🧠



Formative work plays an important role in learning in the class, and builds a foundation for our summative assessments. Formative work will be reflected in the gradebook as practice and may be graded on a 1-8 rubric or marked as missing/turned in.

ALL group projects will be represented by an individual grade for each student. Assessments and grading standards are applied consistently to students of similarly demonstrated ability. Assessments are based solely on demonstrated student progress and achievement of reasonable and clear standards. Students are encouraged to be engaged and motivated in the completion of their assignments.

The rubric achievement levels are based on a 1-8 scale, with 8 being the highest level of achievement (see the rubrics located in the student handbook for reference.) Assignments will be graded with rubrics. At the end of the semester we will issue an in-progress MYP mark as grades are trended for the year.

At the end of the year, I will issue a Final MYP Mark, which will be based on the end-of-term final grades for each of the four criteria. The Final MYP Mark will be based on a 1-7 scale, with 7 being the highest score.

Retakes for summative assessments **must** occur **within one week after the summative assessment is entered in IC and RETURNED to the student.** After this time period, the grade becomes final. Students are required to sign up for a retake and must come in on a mutually agreed upon time to retake the assessment. **The opportunity to re-test may be dependent on the completion of classwork and attendance at one or more study sessions.**

## Communication:

Communication between parent/guardians and teachers is a vital component in your student's education. Please check your student's agenda each day to find a list of topics and assignments from each class.

In addition, be sure to visit our [core webpage](#) to track daily homework and long-term project assignments. To track your student's academic achievement, you may access the [Infinite Campus parent portal](#).

If you have any difficulties with the parent portal, please call the registrar 720-972-5240.

The best way to reach me is by [email](#). Teachers are not available to take telephone calls during the day, but feel free to leave voice mail messages. You can expect a response to voicemail or email within 24 hours unless I am out of class. Please schedule an appointment if you would like to meet with a teacher or core team. Making arrangements ahead of time will ensure that we are able to devote our time and full attention to you.