



8th Grade CCR Math  
Teacher: Mr. Hernandez



## Mr. Hernandez

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Northwest Jackson IB Middle School  
7020 Highway 49 North  
Jackson, MS 39213

August 7, 2019

Dear Parents / Guardians:

Welcome to the 2019-2020 school year! I have the pleasure of teaching your child 8th Grade CCR Math this year. I am looking forward to helping your child be successful in their school challenges. Working closely together this year will ensure that your child will get the most out of our year together as he or she possibly can. There is a challenging world that awaits your child and I feel that it is our responsibility to work as a team to prepare your child to succeed in this world as a productive worker, concerned citizen, intelligent consumer, and responsible adult. I know that this year is only one of the many that your child will spend in school, but I strongly feel that the possibilities for intellectual, social, and personal growth are tremendous.

I have high expectations for myself and for my students. I will structure my assignments so students learn how to organize and manage their thinking ability. It is important for students to learn that efforts can lead to success. The students will not face these challenges on their own. I will be here to guide and assist them to their success whenever they reach a point where they have done as much as they possibly can on their own.

I am committed to creating a safe, upbeat, productive classroom environment. The students will have an active role in classroom learning and discipline. In this handout you will find the discipline plan used in my room. Please read this plan and talk with your child about the policies, procedures and behaviors expected of them. I will begin strongly enforcing our basic classroom rules. Students will be rewarded for exemplary behavior and inappropriate behavior will result in appropriate consequences. Please feel free to schedule a conference at the school if any problem arises.

I would like for us to remain in regular communication with each other throughout the year. It would be a shame if we only talk when problems arise. I look forward to working with you this year. Thank you and let's work together for your child's success.

Sincerely,

*Mr. Hernandez*

Mathematics Teacher



MYP Mathematics  
Grade 8  
CCR Math

## **COURSE DESCRIPTION**

The MYP mathematics course serves as a bridge between lower-grades' mathematics and Algebra. This course will build a foundation of algebraic concepts. The concepts will focus on three areas: (1) Applying equations in one and two variables; (2) Understanding the concept of a function and using functions to describe quantitative relationships; (3) applying the Pythagorean Theorem and the concepts of similarity and congruence. A variety of problem-solving techniques and technology will be used when applying these concepts, which will enable students to solve real-life application, routine word, and non-routine problems. The instructional approach will provide opportunities for students to work together collaboratively and cooperatively as they solve routine and non-routine problems. Communication strategies will include reading, writing, speaking, and critical listening as students present and evaluate mathematical arguments, proofs, and explanations about their reasoning. This course will provide a foundation for the development of justifications to support solutions and solution methods. Physical materials should continue to be part of the development of mathematical understanding. This course is designed to prepare students for Algebra I. This course will also emphasize international mindedness, communication of mathematics in multiple forms of expression, and further development of the IB learner profile characteristics such as reflection, open-mindedness and knowledge.

## **MYP AIMS**

The aims of MYP mathematics are to encourage and enable students to:

- enjoy mathematics, develop curiosity and begin to appreciate its elegance and power
- develop an understanding of the principles and nature of mathematics
- communicate clearly and confidently in a variety of contexts
- develop logical, critical and creative thinking
- develop confidence, perseverance, and independence in mathematical thinking and problem solving
- develop powers of generalization and abstraction
- apply and transfer skills to a wide range of real-life situations, other areas of knowledge and future developments
- appreciate how developments in technology and mathematics have influenced each other
- appreciate the moral, social and ethical implications arising from the work of mathematicians and the applications of mathematics
- appreciate the international dimension in mathematics through an awareness of the universality of mathematics and its multicultural and historical perspectives
- appreciate the contribution of mathematics to other areas of knowledge
- develop the knowledge, skills and attitudes necessary to pursue further studies in mathematics
- develop the ability to reflect critically upon their own work and the work of others.



## COURSE OUTLINE

School Year: 2018 - 2019			
Term 1	Term 2	Term 3	Term 4
Unit 1: Real Number System	Unit 4: Function	Unit 7: Transformation	Unit 10: Volume
Unit 2: Exponents/Scientific Notation	Unit 5: Linear Equation	Unit 8: Angle Relationship	Unit 11: Scatter Plot
Unit 3: Linear Relationship	Unit 6: System of Equation	Unit 9: Pythagorean Theorem	

## GRADING SCALES (JPS AND IB)

*IB Grades:* Student performance for IB assessments covers a variety of tasks. All MYP designated assignments, both formative and summative, will be assessed using MYP rubrics provided in the syllabus. The score, reported numerically from 0-8, is reported once every term in an MYP report card.

*JPS Grading Scale:* One numerical grade will be reported per course each term. The numerical equivalent of the grade will consist of two major components: (1) the average of scores on tests, and (2) the average of scores on assignments (homework, class work, and independent work). The average of scores on tests will be given a weight of 30% and the average of scores on assignments will be given a weight of 70% when determining the numerical grade.

Grading Scale:

A- 100-90

B- 89-80

C- 79-70

D- 69-60

F- 59 and below

- Remember students must maintain at least an **80** average. If students do not meet this goal they will receive an academic probation letter and be given a specific amount of time to pull up their average. If they are unsuccessful they may be dismissed from the International Baccalaureate Middle Years Program.



## **COURSE MATERIALS**

Textbooks: Math Your Common core Edition CCSS-Glencoe,

Other materials needed: pencils, paper, ink pens (for checking only), hand-held pencil sharpener, scientific calculator, composition notebook, graph paper, protractor, ruler, triple-a batteries, kleenex(optional)

## **Behavior Plan**

**Refer to Jackson Public School Student Code of Conduct Handbook**

## **CLASSROOM RULES**

1. Be on time for class and prepared to learn.
2. Bring all required materials
3. Be silent and orderly upon entering and leaving class.
4. Raise your hand to request to speak or leave your seat.
5. Be respectful and courteous to everyone.

## **Classroom Procedures**

Before Class..

1. Enter and begin class without talking
2. Take out completed assignments done at home. (Homework or extra practice)
3. Begin and complete the bell ringer within the time noted after the tardy bell.
4. Write the current homework assignment on the board.
5. Take out materials for the class. (calculators, pencils, notebook, graph paper)

During Class...

1. Stop and listen when the teacher's hand is raised.
2. Completely stop assignment/activity when the timer buzzes.

When a guest enters the classroom....

1. Do not pay attention to the outsiders or guest unless your attention is requested by an adult.
2. Follow the procedures for the particular class assignment that are already in progress.
3. **STAY ON TASK!** Stay focused!

When a guest/teacher/classmate has the floor....

1. Listen attentively
2. Give eye contact to the person/people presenting
3. Keep an open and receptive mind
4. Keep hands down unless the presenter has an interactive presentation
5. Make note of questions that are relevant to the presentation.

Mistakes....

1. Draw one neat line through mistakes if you do not use liquid paper.

When engaged in activities with classmates....

1. Use assigned voice levels given during the time given.
2. Respect each other's opinions.



3. Take turns speaking one at a time.
4. Speak only about the lesson at hand.
5. Talk only to your assigned partner or group members.

### **RESPONSIBILITIES**

The Students:

1. To be on time and prepared to work
2. To display a positive attitude
3. To put forth best effort daily
4. To be respectful to others

The Teacher:

1. To teach
2. To motivate
3. To maintain order in the class
4. To be fair

### **RESULTS AND REWARDS:**

**Possible rewards are:**

- ✓ Verbal Praise
- ✓ Positive Incentive
- ✓ Positive Parent Conference
- ✓ Selection for Desired Roles
- ✓ Northwest Store

**Failure to comply will result in the following:**

1. Warning (Verbal or Nonverbal)
2. Parent Contact, Teacher/Student Conference
3. Parent Contact, Detention, Referral to Counselor
4. Parent Contact, Team/Student Conference
5. Parent Contact, Individual Reflection and Referral to TST
6. Parent/Team Conference
7. Office Referral

**NOTE: Severe disruptions will be referred to the office immediately.**

### **Syllabus Change Disclaimer:**

This syllabus is a guide and every attempt is made to provide an accurate overview of the course, however, circumstances and events make it necessary for me to modify or amend the syllabus during the course as needed.

### **Americans with Disabilities Statement & Non-Discrimination Statement:**

In accordance with Title IX of the Education Amendment of 1972, Title VI and Title VII of the Civil Rights Act of 1964, the ADA, IDEA and Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination Act of 1975, JPS prohibits discrimination on the basis of race, color, national origin, sex, age, or disability.



# Northwest Jackson Middle School

International Baccalaureate Middle Years Program



Your success as a student is of utmost importance to me. If you have a disability or any other circumstance that may have some impact on your work in this class, and for which you may require special accommodations, please contact me early in the semester in order that accommodation may be made in a timely manner.

By signing below, the parent(s)/guardian(s) and student(s) state that they have read and understood the syllabus and requirement for class. Please sign and return.

**(This syllabus should be kept in the student's notebook as a reference.)**

Student's Signature: \_\_\_\_\_

Parent's Signature: \_\_\_\_\_

Parent's Contact Information: \_\_\_\_\_

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Comments, Questions, and Concerns: \_\_\_\_\_

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