



Course Syllabus

Subject: **Mathematics**

Grade: **Pre-K**

SY: **2023 - 2024**

Teacher: **Mrs. Christiana Horne**

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Course Description:

The students acquire a basic conceptual understanding of the base 15 numerical system. During these early years, they typically develop the "number sense" needed to process and manipulate numerical information. Mathematics is inquiry based. Students are encouraged to explore in addition, subtraction, numbers to one hundred, measurement, geometry, data, and graphing. The program is very hands-on. Students are beginning to make sense of their world through a mathematical approach. In different concepts, children will learn about the meaning of the topic and the mathematical terms related to each topic. The read-aloud story will access prior knowledge needed to complete the chapter.

Course Requirements:

- The course will be conducted through lectures, discussions, practice material, projects, and student presentations. Students are strongly encouraged to raise questions and make comments in class. Participation is the key to success.
- Students are required to complete each assignment by the date that it is assigned. Staying on track with assignments will facilitate understanding of the class material.
- Students are encouraged to communicate concerns to teachers and ask for help as needed throughout the school year.
- Students are expected to organize their own class materials and to keep their work neat and tidy. Parents are encouraged to help students by labeling personal items with identification stickers with the student's name in English.
- Students will observe all school policies as outlined in the DISK Handbook. This includes arriving at school on time, abiding by the dress code and speaking only English on the school grounds.
- Students will observe all school policies on Academic Honesty, as outlined in the DISK Handbook. All cases of academic misconduct (such as cheating on tests or plagiarism) will automatically result in a "Fail" grade for the assignment, in addition to any sanctions that may be imposed by the School Discipline office.

Classroom Rules and Expectations:

A: Be willing and able to try;

B: Think and ask questions;

C: Carefully trace on dotted lines and follow instructions.

Class Materials Required:

Pencils, rulers and an eraser.

Assessment:

30% Class Participation, Seatwork, & Homework

30% Minor Projects, Portfolio, Unit Tests & Major Projects

30% Quarter Exam/Assessment

10% Department

Quarter One - Pacing Guide -**Number Sense 1-15, Counting, Addition**

DATE	CHAPTER/LESSON TARGET/PAGES
Week 1 - 8	Introduction to the class, rules, procedures Show What you know - Assessing prior knowledge Count, show and trace 1-15

Quarter Two - Pacing Guide -**Addition, Subtraction, Patterns**

DATE	TOPIC/LESSON TARGET
Week 1 - 8	Review and assess numbers 1-15 Counting up to 30 Ordinal numbers Making patterns: colors, numbers, shapes

Quarter Three - Pacing Guide -
Patterns, 2D Shapes, Spatial Relations

DATE	TOPIC/LESSON TARGET
Week 1 -8	Making patterns: colors, numbers, shapes Identify, name, describe Circles, ovals, squares, rectangles, diamond, heart, rhombus, trapezoid Prepositions: On, in, above, below, inside, outside, next to, beside, over, under, through Measurement: length

Quarter Four - Pacing Guide -
Measurement and Analyzing

DATE	TOPIC/LESSON TARGET
Week 1 - 8	Measurement: height; equal, taller, shorter Measurement: weight; heavier, lighter, heaviest, lightest Data collection and graphing Final assessment

Please note: *The above are a guideline - and therefore subject to change, as the students' needs and abilities develop. Welcome to a projected fun and productive year ahead.*