



NYC iSchool
Mathematical Art
COURSE SYLLABUS
Ms. Prendergast

Course Objectives

This class is an art course at the iSchool, worth $\frac{1}{2}$ of an Art credit. The main objective of this course is to create art projects that make you think about math in a different way.

Expectations for Students:

- **Entering the classroom:** Enter only when the door is open and a teacher is present.
- **Seating:** Sit in your assigned seat, get out your out-of-class work, and begin the Get Ready.
- **Class Notes:** You are expected to take class notes, as they help you process and learn new information.
- **Supplies:** You must be prepared with the following materials every class:
 - Writing utensils- *pencil and pen*
 - Folder or Binder to keep materials
- **Class Website:** you should be checking the class website daily.

iSchoolPolyMath.com

- **Respect/Behavior:** You are young adults and will be treated as such. That means I expect you to be respectful of your teacher and your fellow classmates, just as we will be respectful of you. I expect you to come to class prepared to learn and put in your best effort.
- **Specific Classroom Guidelines**
 - Do not talk while another person in the room is speaking.
 - Raise your hand if you have something to share.
 - No hats on your head or phones out- I will take them from you
 - Water bottles with lids are okay- please don't leave your garbage in my room.
 - You may chew gum but not chomp, blow bubbles, or snap it.
 - If you don't do your homework- I will be disappointed in you.
 - If you have a positive attitude, study, and do your homework you will get treats!
 - Office hours are meant for YOU- please use them!!!

Students in this class may use Xacto knives, paper cutters, super glues, hot glue guns, needles and other paper tools in this class!

Therefore it is very important for all students to listen to and follow all instructions and behave appropriately in this class. If a student misuses any of these materials they may be removed from the course.

Grading

** All grades will be posted in JupiterGrades**

It is the responsibility of the student and family to check JupiterGrades at least once a week

Grade Percentages:

<u>Mastery</u>	<u>70%</u>
Final Art Projects (5)	50%
Math Write Ups	20%
<u>Work Habits</u>	<u>20%</u>
In class work time	
<u>Contributing Factors</u>	<u>10%</u>
Attendance/Lateness	5%
Behavior/Participation	5%

Course Outline

The course will cover the following topics.

Week 1-2	Optical Illusions
Week 3 -4	Fibonacci and Pythagoras
Week 5	Fractals
Week 6	Hyperbolic Curves
Week 7 -9	Escher and Tessellations

Student Absences

Each day of work time is worth 5 productivity points, therefore if a student is absent it is up to them to attend office hours or lunch time to make up the missed time. Most of the work will be completed in class, so if you miss class you need to make up the time as to now fall behind on the tasks.

Resources

If you've already checked the course website – iSchoolpolymath.com , JupiterGrades, and your class materials and you are unable to find an answer to your question, additional help is available during Office Hours (Tuesdays, Wednesdays and Thursdays, 3:20 – 4:00 pm) or by appointment in **room 404**. You can also email your teacher at sprendergast@nycischool.org