

John Jay Middle School
P.O. Box 387
Katonah, NY 10536
914-763-7500
"Learn. Care. Lead."

Ms. Monica Bermiss, Assistant Principal

Mr. Jeffrey Swiatowicz, Principal

Ms. Shantel Brooks, Assistant Principal

2019-20 Open House

JJMS Goal: Take the time to get to know our students well and use that knowledge to increase student engagement in our classrooms.

Subject: Unified Arts 8: Art & Technology

Teachers' Names: Tina Russo, Holly Kellogg, & Melissa Brady

UA 8: mission statement:

Our mission is to help students develop the confidence and independence they need to become thoughtful, competent, contributing members of their communities. We believe that students are best creatively challenged when they are comfortable in a respectful environment and have the resilience to allow their failures to lead to learning.

Curriculum:

Art:

- Abstract Colored Pencil Drawing- use of line and color to create depth, shading with color, color schemes
- Character Strengths Illustration- use of pattern, illustration, use of words in art, value study, character strengths, communication through art. Students will gain experience working in pen and ink and digital media and will choose which format to create their final work.
- Collage Self-Portrait- color schemes, trace and transfer, working with and manipulating photographed images, cut and paste

Technology:

- Magnetics- Students will study magnetic forces and pressure systems in order to create a transportation system.
- Computer Science- Students will have an opportunity to build, program, and revise an algorithm using a variety of computer languages.

- Civil Engineering- Students will have an opportunity to sharpen their problem solving and critical thinking skills in order to design, create, and test a model structure.
- Students will apply knowledge of aeronautics such as: principles of aerodynamics, propulsion, and Sir Isaac Newton's Laws of Motion in order to design and build a model to show their knowledge.
- Auto CAD- (Computer Aided Design) - Students will explore various applications through the use of this design tool and use it in designing.

Ms. Russo's 8th grade students were selected to be a part of an interdisciplinary project pilot program that partners with a Mrs. Walsh's second grade class. This project will begin in December.

Interdisciplinary Project:

Students in the 8th grade Unified Arts class will work on a pilot project, incorporating skills learned in Math, Science, and Technology to create proportionate models in Art and Technology. They will apply their knowledge of diameter and circumference, proportion, and scientific data in a group setting to build 3-dimensional artwork, design and engineer a display, and curate an exhibit. Students will use presentation apps and Gizmos, as well as construction techniques as a part of this unit.

Grading: There are no grades 1st trimester for Unified Arts class, due to the nature of our rotations.
Projects 50%, Classwork 30%, Participation 20%

Resources: West Point Bridge Design 2017- <https://bridgecontest.org/>
LEGO Mindstorms EV3- <https://education.lego.com/>
Tetrix- Arduino: <https://www.tetrixrobotics.com/>

Extra Help: Wednesdays afterschool. Additional availability as needed.

Teacher Contact Information:

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