

John Jay Middle School

40 North Salem Road – Route 121

Katonah, NY 10518

914-763-7500

“Learn. Care. Lead.”

Mr. Jeffrey Swiatowicz, Principal

Ms. Monica Bermiss, Assistant Principal

Ms. Shantel Brooks, Assistant Principal

2019-2020 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.
Classroom Mission:	Students can successfully practice scientific understanding when their critical thinking skills generate claims based upon accurate evidence and reasoning.
Subject:	Science 8 – Physical Science
Teacher Name:	Zach Miller
Curriculum:	<p>Our study of Physical Science is a combination of Chemistry, Physics, and Earth Science. The topics that we will learn about this year include:</p> <p>Matter: The Building Block of the Universe – mass, volume, density, temperature, pressure, heat transfer, phases of matter and phase changes, atoms, elements, the Periodic Table.</p> <p>The Chemistry of Matter – Atomic structure, chemical bonds, chemical reactions and chemical compounds, classifying matter.</p> <p>Motion, Forces and Energy – measuring speed and acceleration, inertia, gravity, work, power, simple machines, kinetic and potential energy.</p> <p>Astronomy – The Universe, galaxies, stars, and Solar System. The Sun, Earth & Moon System – eclipses, tides, moon phases, Earth’s Motions – rotation, latitude and longitude, time zones, revolution, reasons for seasons.</p> <p>This course will have a focus on guided inquiry-based learning (students constructing their understanding through careful observation) and interdisciplinary learning (i.e., drawing connections between math and science).</p>
Grading and Homework:	<ul style="list-style-type: none">• 60% Tests• 20% HW/Labs• 20% Quizzes• Projects will either count as test or quiz grades - depending upon the scope and the length of the project• Final course grade = Tri #1 30%, Tri #2 30%, Tri #3 30%, Final Exam 10%
Resources:	<ul style="list-style-type: none">• Exploring Physical Science Textbook (Prentice Hall)• Intermediate Level Science Review Book (UPCO)• Handouts (class notes)
Extra Help:	Room 220, Thursdays after school – 2:50 – 3:25
Teacher Contact Information:	Tel: X9670 Email: zmiller@klschools.org Website: eChalk