

**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**

<b>JJMS Goal:</b>	Take the time to get to know our students well and use that knowledge to increase student engagement in our classrooms.
<b>Classroom Mission:</b>	Students can successfully practice scientific understanding when their critical thinking skills generate claims based upon accurate evidence and reasoning.
<b>Subject:</b>	Science 8 – Physical Science
<b>Teacher’s Name:</b>	Patricia O’Gorman
<b>Curriculum:</b>	<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><b>Matter: <i>The Building Block of the Universe</i></b> – mass, volume, density, temperature, pressure, heat transfer, phases of matter and phase changes, atoms, elements, the Periodic Table.</p> <p><b>The Chemistry of Matter</b> – Atomic structure, chemical bonds, chemical reactions and chemical compounds, classifying matter.</p> <p><b>Motion, Forces and Energy</b> – measuring speed and acceleration, inertia, gravity, work, power, simple machines, kinetic and potential energy.</p> <p><b>Astronomy</b> – The Universe, galaxies, stars, and Solar System. The Sun, Earth &amp; 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>
<b>Grading and Homework:</b>	<ul style="list-style-type: none"><li>• 60% Tests</li><li>• 20% HW/Labs</li><li>• 20% Quizzes</li><li>• Projects will either count as test or quiz grades - depending upon the scope and the length of the project</li><li>• Final course grade = Tri #1 30%, Tri #2 30%, Tri #3 30%, Final Exam 10%</li></ul>
<b>Resources:</b>	<ul style="list-style-type: none"><li>• Exploring Physical Science Textbook (Prentice Hall)</li><li>• Intermediate Level Science Review Book (UPCO)</li><li>• Handouts (class notes)</li></ul>
<b>Extra Help:</b>	Room 218, Thursdays after school – 2:50 – 3:25
<b>Teacher Contact Information:</b>	Tel: X9677 e-mail: <a href="mailto:pogorman@klschools.org">pogorman@klschools.org</a> Website: eChalk