

**John Jay Middle School**  
 121 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>	NYS Regents "The Physical Setting - Earth Science"
<b>Teacher Name:</b>	Zach Miller
<b>Curriculum:</b>	<ul style="list-style-type: none"> <li>⇒ Size and Shape of the Earth (Latitude and Longitude, Topographic Maps)</li> <li>⇒ Rocks and Minerals</li> <li>⇒ The Dynamic Crust (Earthquakes, Volcanos, and Plate Tectonics)</li> <li>⇒ Surface Processes (Weathering, Erosion (Streams, Glaciers, Groundwater, etc), Deposition, Landscape development)</li> <li>⇒ Earth’s History and the Geologic Column (Age of Earth, Radiometric Dating, Fossils)</li> <li>⇒ Meteorology (Day to Day Weather, Severe Weather, Forecasting)</li> <li>⇒ Climate, Climate Change (Global Warming &amp; Climate Change)</li> <li>⇒ Earth in Space (Seasons, Observation of the Sky, Phases of the Moon, Tides, Time)</li> <li>⇒ Deep Space Astronomy (Universe, Big Bang Theory, Galaxies, Stars)</li> <li>⇒ Environmental Issues (Acid Rain, The Ozone “Hole”, Resource Utilization)</li> </ul> <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). The course requires strong ELA, math and visual/spatial skills.</p>
<b>Grading and Homework:</b>	<p>Earth Science Trimester grades and assignment grades are calculated as a fraction or total points system: (points earned)/(possible points). If during the marking period a student earns, for instance, 42/45 37/39 23/25 and 54/62, I will add all the points earned (42+37+23+54=156) and divide it by the total possible points (45+39+25+62=171). 156/171 = 0.912, and the grade will be reported as 91%.</p> <p>As a guide, quizzes and tests are worth approximately 80%, HW is worth approximately 10%, and labs are worth approximately 10% due to assessments and labs varying in point values. Final Course grade is based upon each Trimester valued at 29.629% and the Regents Exam valued at 11.112%.</p>
<b>Resources:</b>	<ul style="list-style-type: none"> <li>• Textbook – Pearson Earth Science by Tarbuck &amp; Lutgens</li> <li>• “Reviewing Earth Science” Review Book (Student Workbook) by Tom McGuire</li> <li>• Handouts (class notes/packets)</li> <li>• Class e-Chalk Webpage / Websites</li> </ul>
<b>Extra Help:</b>	Thursdays after school 2:50 – 3:25
<b>Teacher Contact Information:</b>	Tel: X9670 Email: <a href="mailto:zmiller@klschools.org">zmiller@klschools.org</a> Website: eChalk & <a href="http://www.discoverearthscience.com">www.discoverearthscience.com</a>