






## 7<sup>TH</sup> GRADE ELECTIVE COURSES

<p><b>ROBOTICS</b></p> 	<p><b><u>Magnet Theme Course, 1 Semester</u></b>          The second year of robotics includes more complex use of sensors (light, ultrasonic, touch) within looping programs. Using shareware, students will also practice measurement and precision to design 3D objects to be printed on the 3D printer. Interested students can also try out for a FIRST Lego League team.  <i>This class is one semester and alternates with the Engineering Lab for the other half-year.</i></p>
<p><b>ENGINEERING LAB</b></p> 	<p><b><u>Magnet Theme Course, 1 Semester</u></b>          Year two in the engineering lab, students continue to explore engineering disciplines leading into the 8<sup>th</sup> grade Technology course.  <i>This class is one semester and alternates with the Robotics Class for the other half-year.</i></p>
<p><b><u>PHYTOSTEMATICS</u></b></p> 	<p><b><u>Magnet/STEM Theme Course, Full Year Course</u></b>          Students experience McNicol's fruit orchard, vegetable garden, and participate in developing their own experiments. This course-work supplements the 7<sup>th</sup> grade curriculum.</p>
<p><b>COMPUTER APPLICATIONS 2 (C.A.P.E. Academy)</b></p>	<p><b><u>Magnet/STEM/IAB Theme Course, Full Year Course</u></b>          The C.A.P.E. Academy is a three-year Microsoft Program study with a sequence of classes that result in Industry Certification when students successfully pass the Word, Powerpoint, and Excel tests.</p> <ul style="list-style-type: none"> <li>• <b>Computer Applications 1</b> (Microsoft Powerpoint, 6<sup>th</sup> grade)</li> <li>• <b>Computer Applications 2</b> (Microsoft Word, 7<sup>th</sup> grade)</li> <li>• <b>Introduction to Technology</b> (Microsoft Excel, 8<sup>th</sup> grade, one high school credit)</li> </ul>
<p><b>GAIA</b> (Growing Awareness In All)</p>	<p><b><u>Full Year Course, by special application only</u></b>          This course applies project-based learning to introduce students to environmental science. Students learn to become environmental stewards, public speakers, and collaborative researchers. Students participate in a culminating activity at an Environmental Symposium at the end of the school year.</p>
<p><b>SPANISH 1</b> (one high school credit)</p>	<p><b><u>Magnet Theme Course, Full Year, International Affairs &amp; Business</u></b>          High school level Spanish 1 is a key to the award-winning IAB Magnet Program. Students should have completed Beginning Spanish in 6<sup>th</sup> grade, maintain good academic and behavior standing</p>
<p><b>PHYSICAL EDUCATION</b></p>	<p><b><u>Full Year</u></b>          Physical Education class.</p>
<p><b>RTB (Raise The Bar)</b></p>	<p><b><u>Full Year Course</u></b>          Opportunities Industrialization Center (OIC) of Broward County funds this program through a grant with McNicol Middle. Our students are supported with leadership skills, behavior management, study skills, and opportunities beyond a traditional classroom.</p>