






6TH GRADE ELECTIVE COURSES

<p>ROBOTICS</p> 	<p><u>Magnet Theme Course, 1 Semester</u> Students design, build, and program a Lego NXT robot. In the classroom students have a FIRST Robotics Game Field to learn game strategy, choose missions to complete, and practice presentation skills. <i>This class is one semester and alternates with the Engineering Lab for the other half-year.</i></p>
<p>ENGINEERING LAB</p> 	<p><u>Magnet Theme Course, 1 Semester</u> Students have an opportunity to explore up to 12 different engineering disciplines through the three years of middle school. Each engineering module takes about 3 weeks to complete. <i>This class is one semester and alternates with the Robotics Class for the other half-year.</i></p>
<p>PHYTOSTEMATICS</p> 	<p><u>Magnet/STEM Theme Course, Full Year Course</u> Students experience McNicol's fruit orchard, vegetable garden, and participate in developing their own experiments. This course-work supplements the 7th grade curriculum and leads into a second year extension of the curriculum.</p>
<p>COMPUTER APPLICATIONS 1 (C.A.P.E. Academy)</p>	<p><u>Magnet/STEM/IAB Theme Course, Full Year Course</u> 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"> • Computer Applications 1 (Microsoft Powerpoint, 6th grade) • Computer Applications 2 (Microsoft Word, 7th grade) • Introduction to Technology (Microsoft Excel, 8th grade, one high school credit)
<p>STEM Wheel</p>	<p><u>STEM: Science, Technology, Engineering, Mathematics – FOUR 9-week courses.</u> An introduction to the STEM courses:</p> <ul style="list-style-type: none"> • Robotics • PhytoSTEMatics • Engineering Lab • Computers (Multimedia Essentials) – A certification course where students learn the basics of using presentation software.
<p>SPANISH (Beginning)</p>	<p><u>Magnet Theme Course, Full Year, International Affairs & Business</u> Students learn the basics of the Spanish language including important present tense verbs (with conjugations), adjectives, and nouns. Students in the IAB magnet program participate in the annual World Language Competition. In 7th grade, students take Spanish 1 to earn a high school credit. In 8th grade they take Spanish 2 for another high school credit. Most colleges require students to complete 2 continuous years of a World Language for admission.</p>
<p>PHYSICAL EDUCATION</p>	<p><u>Full Year</u> Physical Education class.</p>
<p>RTB (Raise The Bar)</p>	<p><u>Full Year Course</u> 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>