






8TH GRADE ELECTIVE COURSES

<p>ROBOTICS Programming and Logic Essentials</p> 	<p><u>Magnet Theme Course, 1 Semester</u> The 8th grade year of robotics includes a Digital Tools certificate program for "Programming and Logic" from Information & Communication Technology (ICT) to receive a state credential. Students continue to practice measurement and precision designing 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>ENGINEERING LAB (Introduction to Technology)</p> 	<p><u>Magnet Theme Course, 1 Semester</u> Year three in the engineering lab, students continue to explore engineering disciplines leading into the 8th grade Technology course. Students have opportunities to compete in the Plywood Regatta, SeaPerch, FAU's Engineering week, and more! <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 is designed for students with an interest in biology, environmental science, gardening, and community involvement.</p>
<p>INTRODUCTION TO TECHNOLOGY (C.A.P.E. Academy) (one high school credit)</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>GAIA (Growing Awareness In All)</p>	<p><u>Full Year Course, by special application only</u> 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>SPANISH 2 (one high school credit)</p>	<p><u>Magnet Theme Course, Full Year, International Affairs & Business</u> High school level Spanish 2 is the second continuous year of a World Language required by most colleges for admission. Spanish 1 is a prerequisite for this course. Students must maintain good academic and behavior standing.</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>