

JUST ARTS AND MANAGEMENT MIDDLE SCHOOL
ROBOTICS
2015-2016 SYLLABUS



Instructor: Ms. Bengochea

Room #: 208

Phone: (305) 597-9999

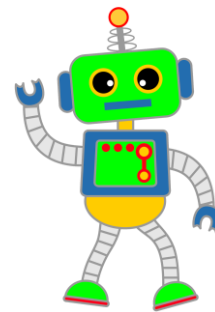
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Course Description & Curriculum

Robotics is the specialized type of engineering that deals with the design, construction, operation, and application of robots. We will be using the Vex IQ platform, a system that was designed to be simple and easy for students to use. Students will be engaged in meaningful STEM (Science, Technology, Engineering, and Math) education. The project based units of focus will instill proper engineering practices from an early age, while maintaining the fun and excitement that comes from playing with VEX IQ. Units of focus include:

- Importance of STEM in the future
- Components and parts of the robot
- Building and programming the robot
- Key concepts engineers use in their everyday work
- Simple Machines & Motion
- Chain Reactions
- Smart Machines



The purpose of this course is to prepare students for the kinds of skills expected for future careers with our growing technology.

Course Expectations

Students are expected to come to class prepared with all required materials and ready to learn. Participation at all times is a must. Students will be engaged in a cooperative learning (group) setting; therefore, they are expected to display high levels of teamwork and effort. Good listening skills and full focus are required in order for students to be successful in this course. There are many steps and directions to be followed in most of the activities students will engage in. All students are expected to have fun while learning!

Grading Policy/Assessments

Grades will be based on performance tasks and written assignments. All assignments are expected on their due date. Assignments and home learning will not be accepted late. Failure to complete assignments on time will significantly drop a student's class average.

Late Assignments

There will be a penalty for any LATE work. Late work will only be accepted (one) class period after its due date. **Late assignments will not be eligible for any grade higher than a 79%.**

Home Learning

Home learning is an essential part of learning and success. It will be assigned to reinforce key elements taught in class. Students are responsible for making sure they are aware of all home learning assignments and their due dates. Home learning must be copied in class on a daily basis. It will also be posted on the class webpage. *Please be sure to copy in class in case there have been any changes made from what was included on the webpage.* Students who are absent are responsible for checking in with a classmate or on the school website to get the necessary information regarding missed work.

As previously mentioned, home learning assignments will not be accepted late. If a student fails to turn in:

- (3) assignments- parent will be notified via email/note
- (5) assignments- student will receive a lunch detention
- (7) assignments- student will receive an afterschool detention
- (10) assignments- student will receive a referral

Classroom Rules

1. Arrive to class on time and be prepared with all required supplies.
2. Respect yourself and all others around you. ****ZERO tolerance for disrespect****
3. Follow directions the first time they are given.
4. The use of electronic devices is not allowed in class. If seen, they will be confiscated.
5. Class participation is a must.
6. Always be willing to help others (with teacher's permission) who need your assistance.

Appointments/Conferences: If you wish to set up an appointment, please e-mail me or contact the school.

1. **EMAIL:** You may e-mail me at jbengochea@doralacademyes.org. Please include your child's name and class period in the subject line. Please include your phone number in your e-mail, so that I may contact you.
2. **PHONE:** Call the school at 305.597.9999 and leave a message with the school's receptionist.

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Student/Parent Form

Please keep the previous pages for future reference. Sign and return this page **only** on or before August 28, 2015. This will count as one of your child's "home learning points".

We have read and understood the information stated in the course syllabus for the 2015-2016 school year. We agree with the course syllabus and will abide by all said requirements and policies.

Student's Name: _____	Period #: _____
Signature: _____	Date: _____
Parent's Name: _____	Email: _____
Signature: _____	Date: _____