



Robotics 1

Instructor: Deon Martinez

Room: A104

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Student and Parents/Guardian(s),

I am excited to have you in class this year. This letter will provide basic information that will allow you to be successful. Please read over it carefully and share it with your parents/family. Keep it with you for future reference.

COURSE DESCRIPTION

Autodesk's VEX Robotics Curriculum is divided up into twelve primary units and one optional unit. In a flexible format, students learn about engineering and engineering problem solving. They will be given introductions to the VEX Robotics Design System and Autodesk® Inventor® while learning key STEM principles through a process that captures the excitement and engagement of robotics competition. The curriculum is heavily focused on mechatronic principles; as such, programming is NOT required. However, this course is structured in such a way that teachers and students who want to include a more Computer Science heavy layer with the course can do so. For information on the programming options available, consult <http://www.vexrobotics.com/programming>

TEACHER INFORMATION

A major key to thriving students is teacher/parent/family/student communication. I want to help all of my students prosper in this class, preparing them for life after high school by encouraging them to strive for excellence as well as promoting parental/family help by providing encouragement and support at home. I believe each student can achieve his or her maximum potential. Please feel free to call me (682-314-1599) at school and leave a message or email deonmartinez@misdmail.org if you or your parents have any questions. My conference period is 10:15 am to 10:45 am daily.

Parents-please take a few minutes to set up your Skyward accounts to receive grade notifications via the internet at: <http://mansfieldisd.org/skyward.htm>

REQUIRED MATERIALS

- Pen/Pencil
- Engineering Notebooks/Log book
- Notebook Paper
- Ruler
- Internet Access
- Compass
- Protractor
- Other materials may be required throughout the year

CERTIFICATIONS- There are no certifications received from taking this course.

TENTATIVE COURSE CALENDAR

Major Projects/Tests

Weeks + Tentative Due Date:

Course Outline:

Unit 1

Professions/Professional
Safety
Total Quality Management
History of Robotics/Robot classifications
Design Process

Unit 2

Prototyping
(Building) Tooling
and Dynamics
Controls

Unit 3

Programming

Unit 4

Sensors and Interfacing
Ethics/Environmental

Unit 5

Troubleshooting

Unit 6

Presentations

The schedule is tentative and subject to change depending on the progress of the class.

PORTFOLIOS- are required and should hold the following in an organized manner: Class notes, handouts, returned work (quizzes, problem sets, etc.) The student must retain returned work for study purposes or settling any grading discrepancies. On some occasions, you will be allowed to use notebook materials on a quiz/test. Students will also maintain an engineering logbook.

ASSESSMENT POLICY – Each six weeks will be evaluated as follows:

Major: Test/Project/ Portfolio 40%
Daily: Class Activities/ Quizzes/Labs 60%

According to District Policy, the two six weeks grading periods will be averaged together for 80% of the overall grade with the Semester Exam representing 20% of the overall grade for the semester.

SEMESTER EXAMS

Each semester, specific exam schedules are designated for MISD high school and dual credit courses. These schedules must be followed. Neither mid-term nor final exams are given early. If a student is absent on the day of an exam he/she will take the exam at a date/time designated by the school.

POSTING GRADES

Student grades will be posted in Skyward parent portal within five business days for daily grades and major grades. Special consideration should be given to major projects, including lengthy writing assignments and late work turned in by students.

GRADING PERCENTAGES

A	90-100
B	80-89
C	70-79
F	Below 70

An "Incomplete" (I) reflects incomplete student work and is not considered an academic grade.

CLASSROOM EXPECTATIONS

Both you and I will abide by these policies as well as those established by the Mansfield ISD school board policies

- **Respect**
 - For yourself – come to class prepared with your materials and assignments; be dressed and groomed so that it will not be necessary during class.
 - For others – classmates are learning and I am directing that learning, so distracting behavior will not be acceptable
 - For your environment – no food, drinks, or other pollutants (i.e., perfume, sprays)
 - For property – clean up after yourself and be careful with items that are placed in your care
- **Responsibility** – taking care of assignments and other business at appropriate times.
- **Reliability** – be prepared and on time for class

ABSCENCES/TARDIES

It is your responsibility to get any information missed if absent or tardy. This includes and is not limited to warm-ups, vocabulary, notes, and assignments. If you miss a test or quiz, you will have one week from the date of assessment to make it up; otherwise, the grade will remain a zero, per district policy. 1st Tardy- warning, 2nd Tardy-student conference, 3rd Tardy- parent conference, 4th Tardy – office referral, 5th Tardy – office referral and detention, 6th Tardy – office referral and two detentions, 7th Tardy – office referral and ISS, 8th Tardy – office referral and two days of ISS and 9th Tardy and more – office referral and multiple days of ISS.

LATE WORK

- Teacher designates due date and time for assignment (Beginning of class period, End of class period, designated time of day)
- If student fails to meet the due date and time, then the student has until the next class period (next A day or B day) to turn in assignment to be considered one day late.
- Students will be assessed a penalty of 30% points for up to one class period late.
- Score of a zero may be given for work turned in after one day late.

MAKEUP WORK (because of absence for any class missed)

- Per MISD High School Student Handbook:
- The teacher may assign the student makeup work based on the instructional objectives for the subject or course and the needs of the individual student in mastering the essential knowledge and skills or in meeting subject or course requirements.
- A student will be responsible for obtaining and completing the makeup work in a satisfactory manner and within the time specified by the teacher. When absent, the student is afforded the number of days missed plus one additional day to turn in makeup work. [A/B Block Example: A student misses Monday and Tuesday of the week and
- If a student returns on Wednesday of that same week. Student work from Monday's absence is considered late after Friday, and student work from Tuesday's absent is considered late after the following Monday.
- A student who does not make up assigned work within the time allotted by the teacher will receive a grade of zero for the assignment.
- A student is encouraged to speak with his/her teacher if the student knows of an absence ahead of time, including absences for extracurricular activities, so that the teacher and student may plan any work that can be completed before or shortly after the absence.
- A student will be permitted to make up tests and turn in projects due in any class missed because of absence.
- Teachers may assign a late penalty to any long-term project in accordance with time lines approved by the principal and previously communicated to students.
- See UIL Eligibility ("No Pass/No Play") guidelines for additional information related to grades and UIL Eligibility.

WEIGHTED CREDIT

- Per MISD Board Policy EIC (LOCAL):
- The District uses a weighted numerical grading system. In calculating GPA, ten points (per semester) shall be added to a student's average in Advanced Placement (AP) courses, Pre-AP courses, Academic Decathlon, and courses considered to be District-approved college level dual credit courses. All other courses shall not receive weighted points for completion.
- No weighted credit point shall be added for grades lower than 70.
- Weighted grading shall be reflected in the student's GPA and not numerically per course on either the student's report card or transcript.

UIL ELIGIBILITY ("No Pass/No Play")

- Semester grades are computed by averaging the numerical grades recorded for each of the three six-week reporting periods.
- Each six-week grading period will stand alone for eligibility purposes.
- A student who is declared academically ineligible after a six-week grading period will be able to regain eligibility if all of the student's grade averages are 70% or higher at the subsequent 3-week grade reporting period.
- See MISD Board Policy FM (LOCAL) – Exempt Courses.

TEST RETAKES

- Students who fail a major test/assessment (below 70%) will be allowed to retake or correct up to a 70% grade. This does not include semester examinations.

- Students are expected to make arrangements with the teacher to retake or correct a major test/assessment.
- Students are encouraged to participate in tutoring opportunities before retaking a test.
- All retakes or corrections must be completed prior to the end of each six-week grading period unless the student is afforded time, after the six-week grading period, as a result of the district's absent/make-up guidelines.
- See UIL Eligibility ("No Pass/No Play") guidelines for additional information related to grades and UIL Eligibility.

PARENTS

Please read the information in this letter carefully and respond with an email and by returning the signature sheet by ***Thursday, January 29, 2020***. Include the following information in the email along with any questions you may have:

Email Subject Line: Students First & Last Name and course name and session

Email Content/Message: Parent Names

Parent Phone #'s for best contact

Email Addresses:

My reply will be verification that your student has received a 100 on this assignment. I look forward to hearing from you. Let us make this an outstanding year!

Sincerely,

D. Martínez

Deon Martinez

I have received and read the **Video Game Design 1** Course Syllabus, the Classroom Norm and District Student Technology Usage policy. I agree to abide by all these standards.

Student Name (printed)

Student Signature

Parent or Guardian Name (printed)

Parent or Guardian Signature

Parent or Guardian Phone Number

Parent or Guardian's Email Address