

# East Valley High School 2026-27

## Robotics Foundations

### Course Syllabus

#### Course Information

**Course Overview:** Coming soon....

By the end of this course, students will be able to:

- Coming soon

**Student Expectations:** Coming soon...

**Teaching Strategies:** Coming soon...

**Course Outline:** Coming soon...

**School Resources:**

Coming soon...

#### Supplies (optional and required)

**Technology:**

Coming soon...

#### Attendance and Late Work Policy

**Attendance** during scheduled course time is an important factor as students explore the world of computer science and programming. Topics build on one another progressively, and absences can impact progress in the course. Attendance is also factored into the 21st Century Skills portion of your grade (5-10%), as is common for many CTE programs. If you have a prearranged absence and want the class

streamed over [Google Classroom](#), please contact me directly. *It is entirely up to the student to learn missed material on their own time!*

**Late work** is accepted, but will diminish the 21st Century Skills portion of your grade, so please pay attention to due dates and use the [Google Classroom](#) app to track your assignments. All assigned coursework must be completed within one week of its due date.

Note: Assignments turned in more than five school days after the due date will not be accepted and a score of zero will be assigned.

## Grading Policy

Students are regularly assessed for knowledge and skills through completion of multiple-choice questions, programming exercises, and larger programming projects. Grades on daily formative work and assessments are reported in Google Classroom, whereas Skyward houses overall mastery-based progress on course Essential Standards, 21st Century Skills, overall completion on daily formatives and scores on projects.

- **Daily Formative Work (25%):**
  - Coming soon...
  
- **Summative Assessment (15%):**
  - Coming soon...
  
- **Projects (30%):** This course contains several major projects to assess key programming and computer science skills.
  
- **21st Century Skills (30%):** Students are taught and assessed on select skills throughout the course as they complete formative work and projects. The formal rubric used to assess these skills can be found [here](#), but in general they are organized into the following overarching topics:
  - Communication and Collaboration
  - Life and Career Skills
  - Leadership and Social Skills
  - Initiative, Self-Direction and Productivity

Notes:

- Daily formative work is graded for completion and punctuality against 21st Century Skills. Exercises are graded for correctness, because students have unlimited chances to verify that their solution works before submitting it.
- Projects provide useful feedback over the course of the project before students submit their work for final grades. Students' work *must* entirely be their own, but they may collaborate with other students.

## Course Breakdown

**Course Objectives:** Coming soon...

**Computational Thinking Practices (Essential Standards):**

- Coming soon...

**Topics Covered:**

Unit 1:
Unit 2:
Unit 3:
Unit 4:

## Mastery Grading Scales

The 4-point scales below are used extensively in communicating mastery of course learning standards and the completion of course work:

### ASSESSMENT

- 4.0 - **Complete** mastery of learning in standard/target
- 3.0 - **Basic** mastery of learning in standard/target
- 2.0 - **Approaching** mastery of learning in standard/target
- 1.0 - **Remediation** needed in the learning standard/target

### COURSEWORK

- 4.0 - **Completely** meeting all criteria in coursework and/or 21st Century Skills
- 3.0 - **Basic** meeting of criteria in coursework and/or 21st Century Skills
- 2.0 - **Approaching** criteria in coursework and/or 21st Century Skills
- 1.0 - **Remediation** needed in coursework and/or 21st Century Skills

Because Mastery-Based scales create a problem when students receive a score of *Approaching* on graded work (2 out of 4 would be 50% or failing), a grade conversion is done to ensure student success is measured accurately.

**Mastery-Based grade percentage scale conversion:**

<b>A+</b>	<b>96% - 100%</b>	<b>3.9 - 4.0</b>
<b>A</b>	<b>91% - 95%</b>	<b>3.7 - 3.8</b>
<b>A-</b>	<b>86% - 90%</b>	<b>3.5 - 3.6</b>
<b>B+</b>	<b>81% - 85%</b>	<b>3.3 - 3.4</b>
<b>B</b>	<b>76% - 80%</b>	<b>3.1 - 3.2</b>
<b>B-</b>	<b>71% - 75%</b>	<b>2.9 - 3.0</b>
<b>C+</b>	<b>66% - 70%</b>	<b>2.7 - 2.8</b>
<b>C</b>	<b>61% - 65%</b>	<b>2.5 - 2.6</b>
<b>C-</b>	<b>56% - 60%</b>	<b>2.3 - 2.4</b>
<b>D+</b>	<b>51% - 55%</b>	<b>2.1 - 2.2</b>
<b>D</b>	<b>46% - 50%</b>	<b>1.9 - 2.0</b>
<b>D-</b>	<b>41% - 45%</b>	<b>1.7 - 1.8</b>
<b>F</b>	<b>≤40%</b>	<b>≤1.6</b>