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Course Description:

Engineers shape the world every day by finding more efficient ways of producing food, shelter, transportation, health care, and a clean environment. Technologists use hands on skills to implement the engineer's ideas. The current shortages of trained engineers and skilled technologists in the United States has created great career opportunities for students who are curious about how things work, like to solve problems, and create things that would improve peoples lives. This basic technology course is intended to provide the high school student with beginning engineering experiences in a variety of technology areas. This class meets on an A-B day rotation for one semester (.5 credit) which the student may apply toward the 1 credit requirement for graduation.

Units of Instruction: Foundations of Technology Part A

- Design and Prototype
- Engineering Design
- What's Appening?

Evaluations-

Students are graded on individual and group project work, classwork, homework, and quarterly assessments.

Late assignments will only be accepted in accordance with the Upgrade Policy. Students may be given the opportunity to "re-take" or improve below par work following the policy and procedures for improving a poor grade listed on the next page. Home work will be assigned as needed. Daily class notes need to be reviewed by the student each night.

Classroom Rules and Regulations-

Student's safety is of primary concern in a lab environment. Students are required to follow the rules established, including the wearing of safety equipment and passing operational tests on any machinery prior to use. A parent permission slip has been sent home and needs to be signed and returned.

Help sessions & office hours: PRIDE Period as per semester schedule. Arrangements need to be made in advance on an individual basis for further assistance, contact your instructor.

Weighted Grading Categories

| Category | Percentage of Overall Grade |
|--------------|-----------------------------|
| Assessments | 65% |
| Classwork | 15% |
| Homework | 10% |
| Quarterly | 10% |
| <i>Total</i> | <i>100%</i> |

Projects Completed:

Students will complete both individual and group design, engineering design projects and a personal app.

