

# Exploring Technology

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**Website:** <https://david-rencher.sitess.nebo.edu>

This website can be can be a helpful tool. There is a calendar of events and links to additional information for the class.

**Needed Materials:** Pencil (not a pen) and paper are required each day for class.

**Course Length:** 18 weeks

**Course Fee:** There is no fee for the course. There is much in the way of equipment for the class and students are expected to take care of the equipment. If the equipment it abused or lost the student may be asked to pay for replacement. There may be additional activities with a cost. Additional cost activities are not required to earn an “A” grade.

**Class Activities:** In this course we will be doing class discussions, demonstrations, laboratory activities, and student presentations. Quizzes, tests, worksheets, and interviews will also be included to help determine student proficiencies. Some of the activities will be modular, where a student works at a particular station with a partner for 10 or more class periods. There will also be several other individual and group activities. It is the student’s responsibility to complete all assignments and turn them in on time. Assignments which are not complete will have points deducted.

**Course Overview:** In this course students will participate with many different types of technology. It is designed to give students a broad exploration of the technological systems of Communications, Construction, Power/Energy/Transportation and Manufacturing. The curriculum is to help students understand technology systems and their impacts on society and the environment. The goals of the course are to develop problem-solving skills, improve career awareness for SEOP development, and integrate technology education with other academic subjects. Activities will utilize the tools materials, and processes of a technological society.

**Course Objectives:** At the conclusion of this course a student should be able to:

1. Describe the value of working individually of as a team member.
2. Discuss the value of creativity on our technological society.
3. Use math and science concepts in solving technological society.
4. Discuss the environmental and societal impacts of technology.
5. Discuss career requirements related to technology.
6. Safely and efficiently use tools, machines, and materials of technology.
7. Participate in leadership promoting activities.

**Grading:** Term grades will be a composite of assignments, tests, project work, attendance and clean-up participation. Students are encouraged to use the class web site and district internet Student Information System (SIS) to monitor their grade and plan for class activities. Scores for late or excessively late work may be discounted by up to 50%. Project work is a subjective composite of attitude, safety consciousness, attention to process, time on task and quality of work. Make Up work is available after school or during Quest Time.

**Attendance:** Because there is little homework in this class, it is expected that students will be in class on time each day and prepared to work including having the needed writing materials (paper and pencil). Approximately 10% of the students grade will be determined by attendance (which includes being in their seat when the bell begins to ring) and preparedness for class.

**Clean-up:** It is expected that each student will participate in the clean-up of the classroom and lab at the close of each class period.

**Discipline Policy:** In order to preserve a safe and educational climate in the lab and classroom, students failing to comply with the general rules of behavior listed in the student handbook will be subject to the following consequences which increase in severity until resolution has been obtained: (1) Receive a verbal warning/request from the instructor to comply with the rules. (2) Separation from the class activity followed, as soon as reasonable, by a conference with the instructor. (3) Invitation to the parent to become involved with the student and instructor in the resolution of the problem. (4) Referral to the administration and possible placement of the student in the "Skills Building" program.

### Grading Scale

**Final Grade:** Your grading period average will be determined by the total number of points earned during the period divided by the total number of points possible. For example, if you earned 920 points out of 1000 possible points, your grade is 920 divided by 1000 which equals 92% or an A-.

B+ = 86 - 89%	A = 94 - 100%	A- = 90 - 93%
C+ = 72 - 76%	B = 81 - 85%	B- = 77 - 80%
D+ = 58 - 61%	C = 67 - 71%	C- = 62 - 66%
	D = 57 - 54%	D- = 50 - 53%

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Please sign and return this paper as soon as possible. By signing, you are confirming that you are familiar with and are willing to support Mr. Rencher class policies.

Student name, printed: \_\_\_\_\_

Parent name, printed: \_\_\_\_\_

Parent signature: \_\_\_\_\_ Date: \_\_\_\_\_