

Technology Studies Syllabus
North St. Paul – Maplewood – Oakdale School District 622
John Glenn Middle School

Trimester

Curriculum:

Students in the middle school technology education classes will experience time management principles, cooperative and collaborative learning and self-direction in real world situations designed to increase self-confidence through modular technology rotations and traditional classroom environment.

As students rotate through the various technology modules they will:

- Increase their knowledge of concepts and vocabulary related to that technology.
- Expand reading and research skills by using books, software, and other media.
- Enhance mathematical skills by solving problems related to that technology.
- Explore various careers related to that technology field.
- Realize the impact of various technologies in the modern world.

Course Outline:

Students in the middle school technology education classes will experience time management principles, cooperative and collaborative learning and self-direction in real world situations designed to increase self-confidence through modular technology rotations

The Technology Studies class is a one-trimester exploratory course in which students have the opportunity to participate in a curriculum that incorporates a digital technology lab and hands on project. The networked module lab portion of the class provides theoretical and practical experience in 8 different areas of technology.

These modules are learning centers that contain everything students need to learn basic concepts about a specific subject area

The industrial technology provides many learning experiences and offers the opportunity to build take home projects. Two projects require purchasing a kit in order to complete the assigned tasks. These modules are **Rocketry and Space** and **Research and Design**. The cost for each kit is \$5.00. Students and parents have a choice in participating in these particular modules. Please feel free to call me if your child would like to participate in the fee based modules and economic constraints would not allow he or she to do so.

Course requirements:

Attendance:

All of the information needed to be successful in this course is located in the “daily sessions” on the computer of each module as well as in the texts that accompany each module. The challenge of this environment is that all of the coursework needs to be completed during regular class time. This includes the module sessions, the reflective journals, and the post-test for each module. Communication on accommodating missed classes will be critical to your child’s success in this class; a strategy will need to be in place to complete any missed coursework. It is important that your student partner with me as soon as he or she misses any class time or falls behind. The more prompt your student is in requesting additional lab time, the more likely I will be able to accommodate. In addition your student will be allowed to revise his or her reflective journal questions within one week of receiving their corrected journals.

Tardiness:

It is very important that students are on time to class because of the partnership in the module setup. Students need to be inside the room and in their assigned seats when the bell rings. Students who are not ready will be noted as tardy. Any student who is tardy without a pass will require lunch detention with me.

Late Assignments:

All of the assignments for each module are assigned on the first day of each new module. The assignments are not due until days 7 or 8 of each module. This gives students several days for every assignment. Late assignments without an excused absence will get 0 points.

Grading Procedures:

For every module there is a journal, test, vocabulary, and module completion score. Students will get grade updates after every journal has been corrected.

Journals = 20%

Journals are an in-class assignment. If the students want to work on journal questions at home they must copy the questions in a notebook. They can then staple the notebook page to their journals in class. The journals do not leave the classroom.

Tests = 30%

Tests are taken on the computer on day 7 of each module. There are 10 multiple-choice questions on each. Students have a test review on day 6 of every module.

Vocabulary = 20%

The vocabulary assignment is given on day 1 of each module. It is due on day 7 before the test. Students can work on the vocabulary during class or at home. The words are posted in each module from day 1.

Module assignment completion = 10%

Students need to complete each assigned module. Each module is different. Each module is a combination of hands on work, worksheets, and experiments.

Trimester assignments = 20%

There will be assignments given throughout the trimester in addition to the modules.

Students will get grade updates after every journal has been corrected during that rotation.

Text And Other Resource Material:

The information needed is provided in the modules. There are books provided for classroom use. I can provide help for students and parents looking for information and websites to work at home. Please contact me for help.

Contact Information:

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