

Redeemer Christian High School
T1J10
Course Syllabus
2017-2018

Course Description:

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.

Course Rational:

The mission of Redeemer Christian High School is to provide a community of learning that challenges students to develop disciplined minds, hearts and bodies according to the full measure of Jesus Christ.

This course examines, critically evaluates, and teaches skills in a selected number of technologies students are regularly exposed to. The aim of the course is to show that technology and our participation in it must also fall under the lordship of Christ. It is vital that our children understand some of the basic principles of how various technologies operate and the underlying principles on which the technologies are based. Having done so they can appreciate and develop the skills needed to use and create these technologies in ways that glorify the name of Christ.

Classroom Expectations:

It is expected that all student taking this course will abide by the classroom rules and safety procedures; your very life depends on it. Other expectations include mutual respect, integrity of work, and generally living by the great commandment to love one another. Some ways to show this are:

- 1) **Be polite** to each other and listen quietly when someone else is speaking. They may have something interesting to share! Or, they might have the same question you have. If you have something to share - **RAISE YOUR HAND**
- 2) **Class will begin on time.** Any student not at their assigned spot and ready to work both physically and mentally will be considered late and it will be recorded as such. When the bell rings, give your attention to the teacher for our opening routine.
- 3) **Be prepared to participate fully in class.** This means having proper equipment (pencil, pen, ruler, notebook & text, agenda, calculator etc.) ready to be used.
- 4) **Notebooks should be neat** and organized.
- 5) **Homework should be completed on time** on a separate sheet of paper bearing: your name, the assignment, date and all necessary headings underlined. Completing homework prepares you for completing the evaluations and is, therefore, taken seriously.
- 6) **Obey all safety regulations** at all times.
- 7) We will stop 5 min from the end of class to clean-up, review work to be done (fill out your agenda) and talk about what happens next in your day. **The bell does not dismiss you - the teacher does.**

Assignment Guidelines:

All written assignments should be submitted using the following formatting;

- times new roman 12 point font
- 1 inch margins
- double spaced
- MLA format for sources and quotations

Paper copies of assignments are due **on my desk at the beginning of class** on the due date.

Absences and Late Assignments:

If you are absent from a class, it is your responsibility to obtain the material from the teacher or fellow student.

If you know you will be **away for a test**, **discuss this with the teacher** at least **one class day ahead** of the scheduled test day. Tests missed due to **illegitimate absence (skipping) will be recorded as zero**. Tests missed due to legitimate absence will be written on the return of the student during lunch or after school.

If you require an extension on an assignment, discuss this with the teacher at least 2 class days prior to the due date. Late assignments will be deducted **10% per day** and the student will be assigned to Study Hall until the assignment is complete. Please be sure that your assignment is printed and complete prior to the beginning of classes on the day the assignment is due.

Plagiarism will be dealt with according to the Plagiarism Policy of RCHS as found on the school's web site.

Evaluation Breakdown: Seventy percent of your mark in this course will come from the work completed in class throughout the semester. The other thirty percent will be earned by completing a final project (20 %) and examination (10%).

Evaluation Outline:

| <i>Unit #</i> | <i>Title</i> | <i>Evaluation Pieces</i> | <i>Percent given</i> |
|---------------|--|--|----------------------|
| 1. (10%) | Introduction: Technology, what is it? Why study it? | Value of Technology paper Journal | 2 8 |
| 2 (30%) | Transportation Technology (small engines) | 1. Engine Photo story board 2. Alternative Trans/ Energy Report 3. Unit Test | 20 5 5 |
| 3 (30%) | Manufacturing/Construction Technology | Bridge Construction Assignment Wood Project #1 | 10 20 |
| 4 (20%) | Final Project | Woodworking Project #2 | 20 |
| 5 (10%) | Exam | Exam | 10 |

| K | T | C | A | % |
|----|----|----|----|----|
| 20 | 10 | 10 | 30 | 70 |