

**School:** Crook County High School

**Course Title:** Introduction to Aviation Technology

**Instructor Name:** Commander Russ Robison

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**Course Description:**

The Aviation Technology Course is a tool for introducing students to a wide variety of aviation subjects. Instruction will include but is not limited to: physics of flight, principles of flight, air traffic control in the National Airspace System, aviation human factors, etc. Where possible, the syllabus will be aligned with general aviation standards maintained by the Federal Aviation Administration. Emphasis will be placed upon students discovering the wide variety of employment opportunity, offered in aviation and the educational requirements necessary to achieve this goal.

**NJROTC Participation:**

Students enrolled in the course will be offered the opportunity to receive NJROTC credit. These students will be responsible for meeting all NJROTC requirements during the semester, including Naval Science knowledge, uniform requirements, community service etc. It may be necessary for these students to spend extra/additional time during and after the school day to satisfy these requirements. The instructor will work with the NJROTC students on an individual basis to help ensure they track toward NJROTC credit.

**Project:**

A MS PowerPoint presentation will be required to be developed and presented by each Student. The subject matter is left up to the Student but will detail some aspect of aviation including but not limited to: aircraft, aerospace manufacturing, mechanics etc. **\*\*\*\*NOTE: failure to complete and present the project to the class will likely result in a failure for the entire class, due to the fact that it will be graded as two major exam scores (content and presentation).**

**Learning Standards:**

Students will accomplish, as a minimum, mastery of the following:

- Basic Knowledge of the forces of flight
- Understanding of basic flight sciences including aerodynamics, navigation etc.
- Basic understanding of the National Airspace System
- Working knowledge of aircraft controls
- Improved aircraft recognition
- NJROTC Knowledge (for NJROTC Cadets who opt to receive credit)

**Materials:**

Federal Aviation administration (FAA) regulations, charts and online documents.

Aviation documentary type (PBS, History Channel etc.) films will be utilized throughout the year.

Current event publications, e.g. newspapers, periodicals may be used by the Instructor to teach current aviation events and practices.

### **Notification of the Right to Object to the Use of Materials:**

Any resident of the district may raise objection to instructional materials used in the district's educational program despite the fact that the individuals selecting such materials were duly qualified to make the selection and followed the proper procedure and observed the criteria for selecting such material.

The first step in expressing objection is consultation with the classroom teacher or library staff and providing a brief written complaint. The staff member receiving a complaint regarding instructional materials shall try to resolve the issue informally through the discussion of the original assignment or the opportunity for an alternative assignment.

If not satisfied with the initial explanation or an alternative assignment, the person raising the questions will meet with a building administrator who, if unable to resolve the complaint, will provide a Request for Reconsideration form which will be given to the superintendent for action.

### **Citizenship (Behavior Expectations):**

Attendance will be in accordance with established CCHS standards.

#### Participation

- take part in classroom discussion
- complete all assignments, projects, presentations

#### Bearing / Behavior

- Follow all rules and procedures
- Follow all school rules and regulations as stated in the High School student handbook.
- Be to class on time! You are expected to be in the classroom, with your book bags, backpacks, purses and other carriers and materials under your desk.
- No hats or other "head gear" will be worn in the classroom.
- DO NOT CHEW GUM in class!
- NO FOOD OR BEVERAGES are permitted in the classroom with the exception of water!
- Ask permission to get up to throw trash in the basket. Do not throw anything in the classroom.
- Cell phones and electronic devices—do not use these devices in the classroom! It is against school policy and my policy. Ask the Instructor if you feel the need to use these devices for some personal reason. You may be surprised that he allows you to do so but there are no guarantees. The Instructor reserves the right to use cell phones/other electronic devices as necessary for safety and program administration when necessary, for official business only. You are not an Instructor.
- Keep the classroom and the area around your desk clean!
- Sit in your assigned seat, facing forward, in an acceptable manner.
- Do not write on the desks tops, seats, or seat backs.
- No personal grooming permitted in the classroom (combs, makeup, lipstick, etc.)
- Keep your hands to yourself! Do not violate anybody's personal space!
- Be respectful of others. Do not interrupt your instructor or other students when they are speaking. If you have something to contribute, raise your hand. Do not be rude. Treat others, as you would like to be treated.
- Help your fellow students (classmates) to succeed at every opportunity.

### **Evaluation (grading):**

Grades will be comprised from a compilation of scores in any or all of the following:

Projects/Presentations

Quizzes

## Exams

### Grading Scale:

Grading is based on a scale of:	90 - 100%	A	Superior
	80 - 89%	B	Above Average
	70 - 79%	C	Average
	60 - 69%	D	Below Average
	0 - 59%	F	Failure

Grades are determined by: Quizzes/Exams grades

**\*\*\*Note: Personal misconduct and/or lack of behavior will negatively affect a student's overall grade in the course. The Instructor reserves the right to make a judgment regarding the student's grade reduction, including complete dismissal from the course.**

### Makeup Policy:

If you are ready to turn in an assignment before it is due, you may. If you are absent on the day assignments are due, turn in the assignment the next day you are in class. All assignments are to be completed, regardless of the reason for missing the due date. Prior arrangements must be made for turning in assignments after the due date. It is the student's responsibility, NOT THE INSTRUCTOR'S, to determine what work has been missed for whatever reason.

### Extra Credit Policy:

Extra credit is not offered.

### Quiz/Exam Scores:

Exam scores are permanent. There will be no exam retakes for any quiz or exam.

### Acknowledgement:

I/we have read and understand the requirements above and agree to abide by them during the course.

Student Name (printed, last, first): \_\_\_\_\_, \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Parent/Guardian Name (printed, last, first): \_\_\_\_\_, \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_