



GLENN HILLS HIGH SCHOOL
2640 Glenn Hills Drive
Augusta GA 30901
(706) 796-4924



Students and Families,

COURSE OUTLINE:

UNIT 1: GETTING TO KNOW AIRCRAFT

- A. Introduction
- B. Categories of Aircraft
- C. Design Considerations of Aircraft

UNIT 2: HOW AIRCRAFT ARE MADE

- A. Identifying Parts of the Aircraft
- B. Aircraft Construction

UNIT 3: UNDERSTANDING AIR

- A. Characteristics of Air
- B. Aeronautical Application of Air Density

UNIT 4: FORCES OF FLIGHT

- A. The Aircraft in Motion
- B. Lift
- C. Weight
- D. Thrust
- E. Drag

UNIT 5: AIRCRAFT STABILITY AND CONTROL

- A. Types of Stability
- B. Aircraft Flight Controls
- C. Structural Loads Encountered in Flight

UNIT 6: CAREER SKILLS

- A. Career Preparation

GRADING:

Category of Grades:

Major Grades (40%): Assessments (Test, Quizzes, Projects, Research Papers)

Minor Grades (60%): Classwork/Homework (Bellringers, Journal Check, Labs)

Scale:

A (90 - 100)

B (80 - 89)

C (75 - 79)

D (70 - 74)

F (00 - 69)

SAFETY:

Aviation safety is paramount! In the classroom, hangar and flight simulator room safety ensures the physical and emotional safety of students and protects their educational experience from disruptions or offenses. In this course, a variety of tools will be used to explore and engage in the overall aviation environment; therefore, the following rules must be strictly adhered to:

1. Be Respectful to Teacher(s) and other Students.
2. Listen Carefully to ALL instructions.
3. Students must be Responsible for His/Her own Actions and Words.
4. Know Emergency Procedures.
5. Tell an adult if you feel Unsafe.
6. Follow all safety regulations.
7. Only use equipment or tools that are in good, safe working condition.
8. Do not distract other students.
9. Refrain from all forms of pranks or horseplay.
10. Report unsafe practices/behavior immediately to a teacher.
11. Immediately report all accidents to the teacher as soon as they occur.
12. NEVER operate equipment or tools without Teacher supervision.

E. STUDENT PORTFOLIO, REFLECTIVE JOURNAL, FLIGHT LOGBOOK

The Student Portfolio, Reflective Journal and Flight Logbook will play significant roles in the Assessment and Evaluation of student learning in this course. They are integral to completion of the course because they provide the documentation of all the student does in this course. Furthermore, the Student Portfolio, Reflective Journal, and Flight Logbook will provide evidence of the knowledge, skills and abilities he/she will gain in this course. Students will continue the development of their portfolio in the Capstone course during their senior year.

The Reflective Journal is a key feature of the portfolio. Reflective Journal entries will be utilized for a variety of assignments throughout the course, such as student reflections on key concepts, topics, events, and impressions. If you have any questions or concerns or if you would like to visit our classroom, schedule a conference, or volunteer, you can contact me via email: IslarWi@BOE.Richmond.k12.ga.us. I will do my best to return the correspondence as soon as possible.

F. LATE ASSIGNMENT POLICY:

Students may turn in late assignments in accordance with applicable policies to demonstrate mastery/understanding of the content/subject/material. Students may coordinate with Mr. Islar on a case-by-case basis to discuss submitting assignments after the assigned due date.

1. Assignments not submitted on the due date are subject to

I. PARENTAL/GUARDIAN ENGAGEMENT:

1. Periodically check