

Aerospace

Learning can take us
Near and Far

AVIATION

LEARNING BEGINS
IN THE SIXTH
GRADE FOR
INQUISITIVE
STUDENTS WHO
ARE LOOKING FOR
AN ADVENTURE IN
EXPLORATION AND
DISCOVERY



KITES

GLIDERS

ROCKETS

OPPORTUNITIES
CONTINUE IN THE
SEVENTH GRADE DESIGNED
TO HELP BUILD A STRONG
KNOWLEDGE BASE OF
SKILLS

SINGLE ENGINE LAND
AIRPORT DATA
AIR

FLIGHT RULES
AIRPORT DATA

A low-angle, upward-looking photograph of the underside of a Delta Wing aircraft. The image shows the white metallic structure of the aircraft, with several large, circular red nose cones or engine inlets arranged in a circular pattern. The background is a clear blue sky. The text is overlaid on the left side of the image, separated by a vertical white line.

ENRICHMENT
ACTIVITIES IN THE
EIGHTH GRADE
ARE TO GAIN
EXPOSURE TO
TODAY'S
INNOVATIONS
AND ACTIVITIES
TO
KEEP EXPLORERS
CHALLENGED AND
INSPIRED

SIMULATORS DELTA WINGS DISC FLIGHTS

IN THE BEGINNING
LEONARDO DA
VINCI DREAMT OF
FLYING
MACHINES (1485-
1500)

FIVE CENTURIES
LATER THE FIRST
HUMAN WALKED
ON THE MOON
(1969)

FORTY YEARS
LATER SPACEX IS
BORN (2009)

AVIATION



COURSES



FUNDAMENTAL OF
AEROSPACE



FLIGHT OPERATIONS



UNMANNED AIRCRAFT
SYSTEMS

COURSES



FUNDAMENTAL OF AEROSPACE

- The course is designed as a foundational course for the aviation maintenance and flight operations pathways



FLIGHT OPERATIONS

- This course navigation and communication skills are essential to the safe operation of aircraft



UNMANNED AIRCRAFT SYSTEMS

- This course prepares a student to earn a pilot license
-

TOOLS of the COURSE

- Curiosity
 - Compass
 - Pilot Logbook
 - Positive Attitude
 - E6B Computer
-



TARC ROCKETRY CHALLENGE

- Launch an egg
 - 10 members
 - Build Rockets
 - Test Rockets
 - Build Futures
-



CONTRIBUTIONS OF WOMEN

A young girl with dark hair and a joyful expression is looking upwards. The background is a deep blue night sky filled with stars. Overlaid on the sky are several large, hand-drawn chalk sketches of space-related objects: a rocket ship in the upper left, a planet with rings in the upper right, and a satellite or space station in the lower right. The overall theme is space exploration and the contributions of women to the field.

Bessie Coleman

Amelia Earhart

Sally Ride

Jessica Meir

Ellen Ochoa

Valentina Tereshkova

WHERE LEARNING TAKES FLIGHT

- Instructor, Pilot Jones
- Aerospace Lab
- Volunteer

