





WHAT IS A SUMMER CAMP?

THE SUMMER CAMP IS SPECIFICALLY DESIGNED FOR HIGH SCHOOL STUDENTS TO GAIN KNOWLEDGE ABOUT THE AVIATION INDUSTRY AND EXPLORE CAREER OPPORTUNITIES AS AERONAUTICAL, AEROSPACE, OR AVIONICS ENGINEERS.





AIM

**THE AIM IS TO OFFER HIGH SCHOOL STUDENTS
ACADEMIC AND PRACTICAL ACTIVITIES THAT FOCUS
ON THE AVIATION ENGINEERING INDUSTRY.**

OBJECTIVE FOR THE STUDENTS

**TO HAVE A BASIC UNDERSTANDING OF AERONAUTICAL & AVIONICS
ENGINEERING SUBJECTS.**

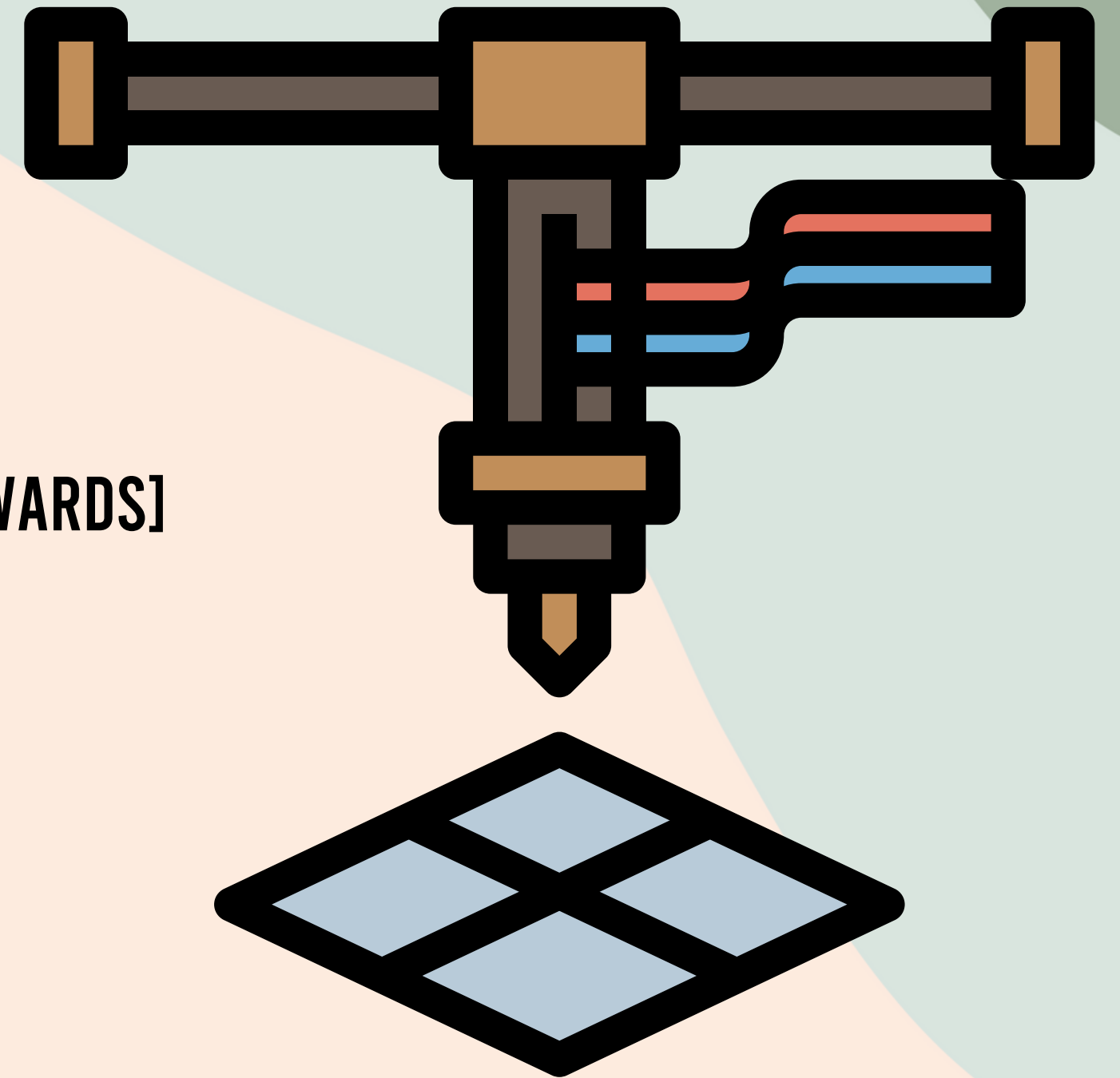
TO CONDUCTE BASIC MECHANICAL, ELECTRICAL EXPERIMENTS.

**TO HAVE APPLIED CLASSROOM KNOWLEDGE TO EDUCATIONAL
ACTIVITIES.**



ELIGIBILITY

- ✓ HIGH SCHOOL STUDENTS AGED 17-19 YEARS [11TH GRADE ONWARDS]
- ✓ STUDENTS WITH STEM BACKGROUND



SUMMER CAMP DETAILS

WEEKLY PLAN

**EACH SESSION WILL
RUN FOR 1 WEEK
[5 DAYS]**

MONTHLY PLAN

**SUMMER CAMP WILL
RUN FOR 3 SESSIONS,
I.E. 3 WEEKS**

PER SCHOOL

**MAXIMUM 4 STUDENTS
FROM EACH SCHOOL,
I.E. 5 SCHOOLS PER
SESSION**

TOTAL SCHOOLS

**A TOTAL OF 15 - 20
SCHOOLS AND 60
STUDENTS WILL
PARTICIPATE**



WHEN AND WHERE

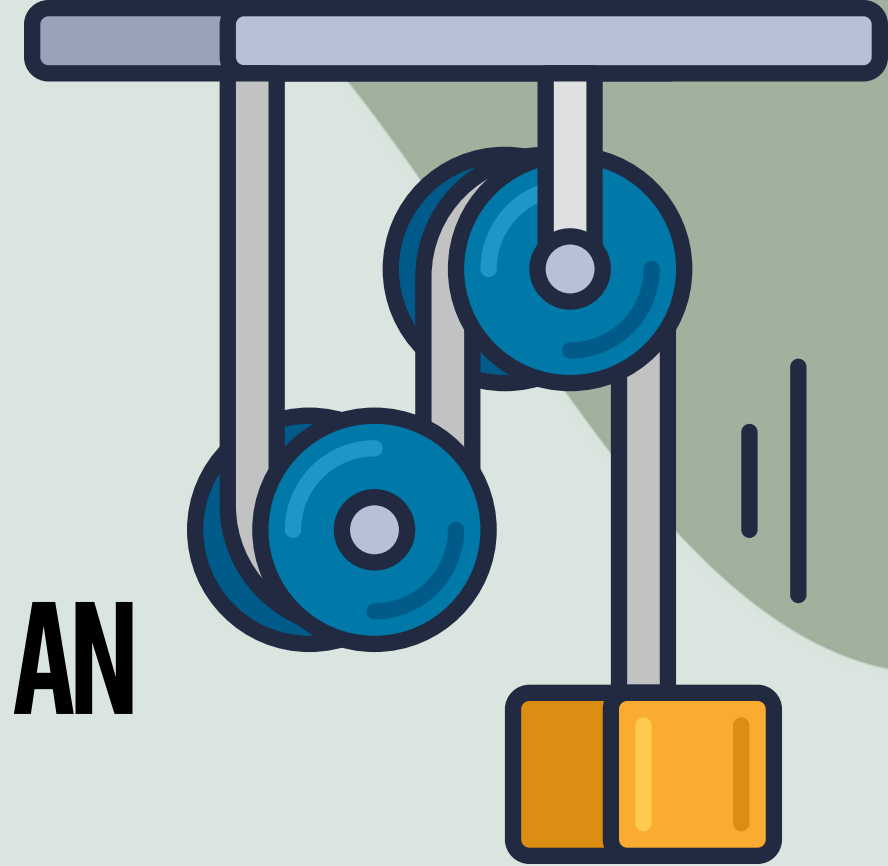
SUMMER CAMP WILL RUN FROM 10TH JULY TO 28TH JULY, 2023



THE EMIRATES AVIATION UNIVERSITY CAMPUS WILL BE THE VENUE FOR ALL SUMMER CAMP SESSIONS AND ACTIVITIES.

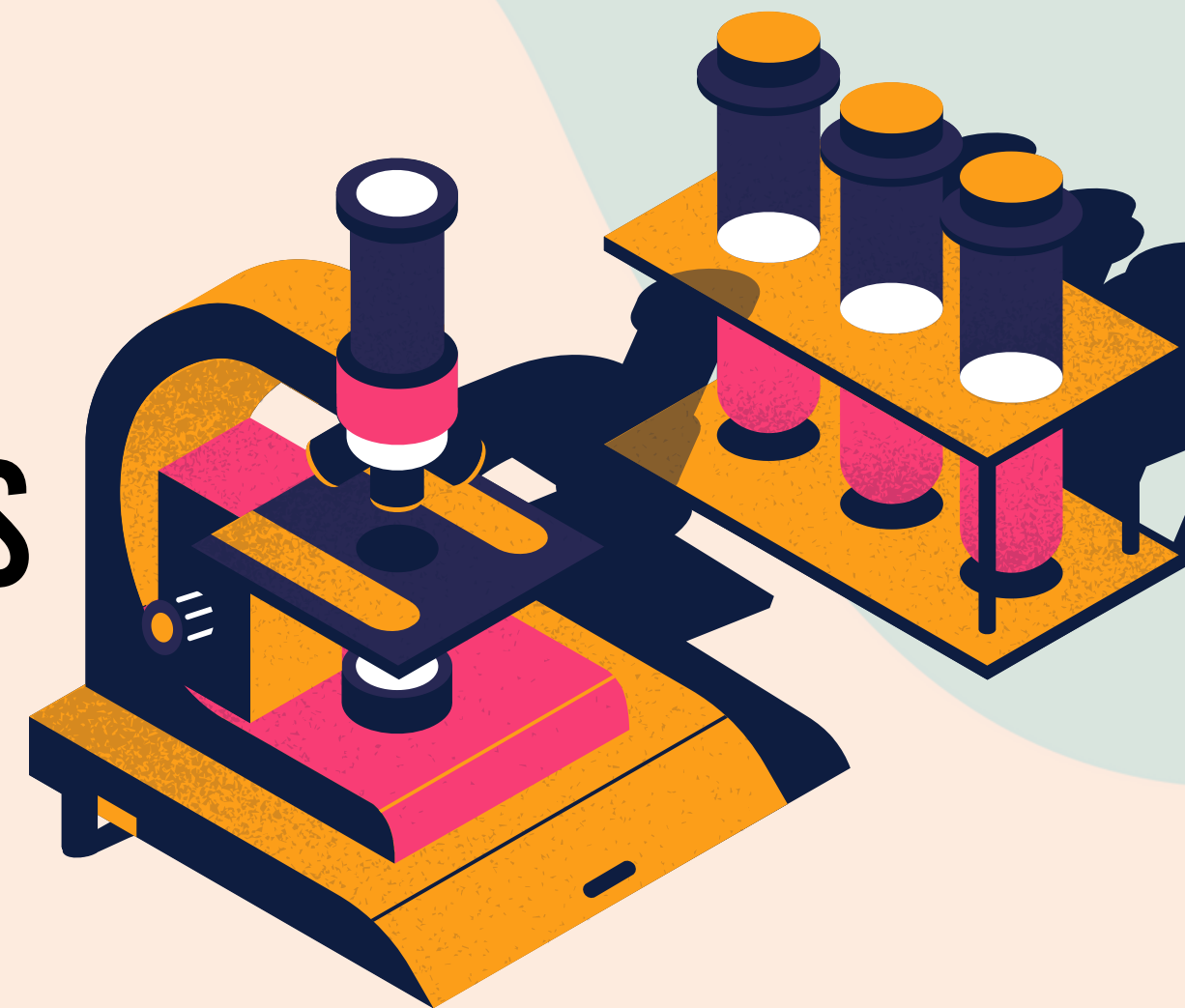
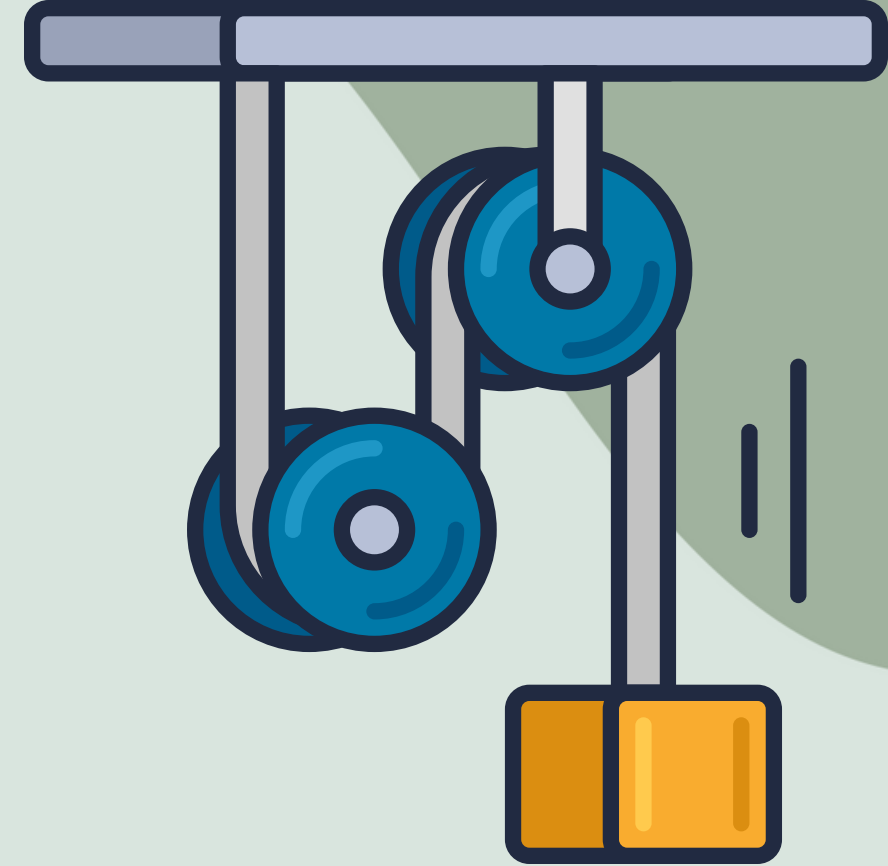
EXPERIMENTS

- **WIND TUNNEL EXPERIMENT TO STUDY AERODYNAMICS OF AN AIRCRAFT WING**
- **EXPERIMENT TO STUDY THE BASIC LAWS OF ELECTRONICS**
- **ENGINE WORKSHOP**
- **COMPUTER NUMERICAL CONTROLLED SYSTEMS [3D PRINTING, MILLING, AND LATHE]**



ACTIVITIES

- **DRONE SYSTEMS**
- **HYDRAULIC AND PNEUMATIC SYSTEMS**
- **MOBILE CONTROLLED PAPER PLANE**
- **WATER ROCKET**
- **FLIGHT SIMULATOR**
- **AUTOMATION AND CONTROL SYSTEMS**



REGISTRATION

- PARTICIPATION IN THE SUMMER CAMP IS RESTRICTED TO STUDENTS FROM GRADE 11 AND ABOVE.
- EACH SCHOOL CAN ENROLL A MAXIMUM OF FOUR STUDENTS ONLY.
- REGISTRATION WILL BE ON A FIRST-COME, FIRST-SERVED BASIS AND LIMITED TO 20 SLOTS PER SESSION.
- THE REGISTRATION FEE PER PARTICIPANT IS **AED 1000**.
- KINDLY COMPLETE THE REGISTRATION FORM AND SEND IT TO AVIATIONCAMP@EAU.AC.AE TO REGISTER FOR THE SUMMER CAMP.





REGISTRATION

**FOR MORE INFORMATION, PLEASE CONTACT:
MR. ALA EDDINE AJENGUI**






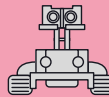

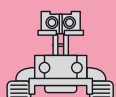















TELEPHONE: 04 605 0242

EMAIL: AVIATIONCAMP@EAU.AC.AE

**LOCATION: EMIRATES AVIATION UNIVERSITY,
ACADEMIC CITY, DUBAI.**



SCHEDULE

Time	8:30 9:00	9:00 9:30	9:30 10:00	10:00 10:30	10:30 11:00	11:00 11:30	11:30 12:00	12:00 12:30	12:30 13:00	13:00 13:30	13:30 14:00	14:00 14:30	14:30 15:00	15:00 15:30
Mon			Welcome to Our World <i>(Introduction & Campus Tour)</i> 			Elevate Your Energy <i>(Break Refreshments)</i> 		The Power of Smart Systems <i>(Sensors and Actuators WS)</i> 			Transforming Concepts to Reality <i>(AutoCAD & 3D Printing)</i> 			
Tue	Powering Innovation <i>(Electrical & Electronic Principles)</i> 		Automation and Control Systems <i>(Robotics - PT1)</i> 			Boost Station <i>(Break Refreshments)</i> 		Automation and Control Systems <i>(Robotics - PT2)</i> 			The Future of Flight <i>(Drone System Lecture)</i> 		The Art of Drones <i>(Drone Building - PT1)</i> 	
Wed	The Science of Airflow <i>(Aerodynamics)</i> 		Engineering in Action <i>(Wind Tunnel & Hydraulics Experiments)</i> 			Quick Bite Break <i>(Break Refreshments)</i> 		The Art of Drones <i>(Drone Building - PT2)</i> 			Fine Tuning Your Drone <i>(Drone Calibration)</i> 			
Thur	Taking it to the Skies <i>(Drone Flying)</i> 			The Magic of Combustion <i>(Engine Activity)</i> 		Snack Attack Break <i>(Break Refreshments)</i> 		The Magic of Flight in Your Hands <i>(Mobile Controlled Paper Plane)</i> 			Rocket Science Made Fun <i>(Water Rocket Construction)</i> 			
Fri	From Concept to Launch <i>(Water Rocket Launching)</i> 			Experience the Thrill of Flight <i>(Flight Simulator Activity & Flight Mechanics)</i> 				Energy Recharge Hub <i>(Break Refreshments)</i> 			The Grand Finale <i>(Closing Ceremony)</i> 