



Emirates Aviation University Presents

SUMMER CAMP '22





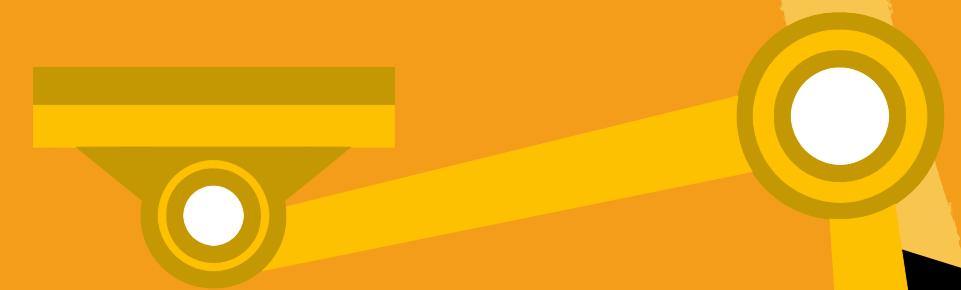
WHAT IS A SUMMER CAMP?

THE SUMMER CAMP WILL BE A PROGRAM DESIGNED FOR HIGH SCHOOL STUDENTS IN ORDER TO EDUCATE THEM ABOUT THE AVIATION INDUSTRY AND THE POSSIBILITIES AS AN AERONAUTICAL / AEROSPACE / AVIONICS ENGINEER.



aim

**TO PROVIDE ACADEMIC AND APPLICATION BASED
ACTIVITIES RELATED TO THE AVIATION ENGINEERING
INDUSTRY TO HIGH SCHOOL STUDENTS.**





OBJECTIVE FOR THE STUDENTS

TO HAVE A BASIC UNDERSTANDING OF AERONAUTICAL / AVIONICS ENGINEERING SUBJECTS.

TO HAVE CONDUCTED BASIC MECHANICAL, ELECTRICAL EXPERIMENTS.

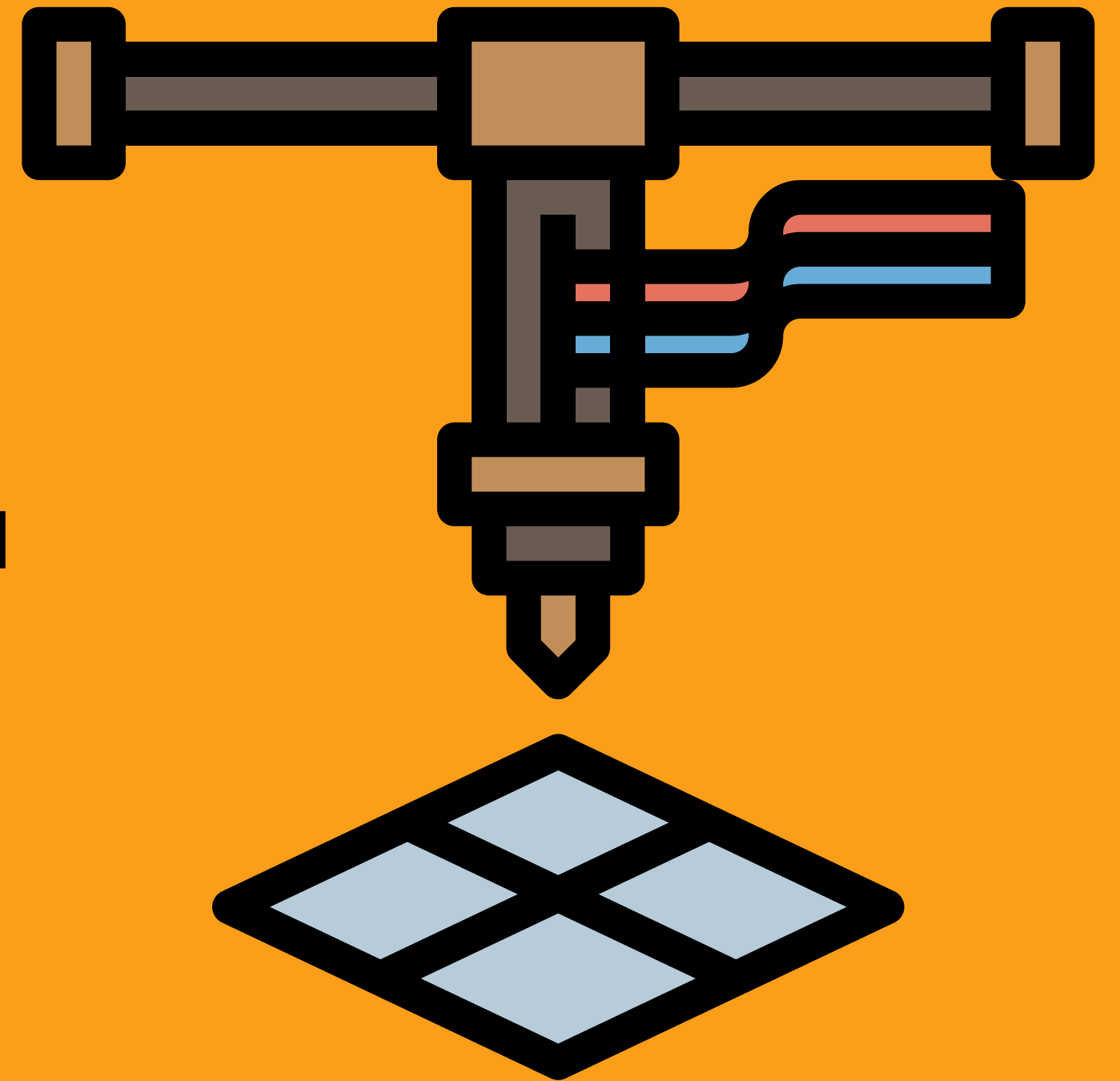
TO HAVE APPLIED CLASSROOM KNOWLEDGE TO EDUCATIONAL ACTIVITIES.





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 4 SESSIONS,
I.E. 4 WEEKS

PER SCHOOL

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

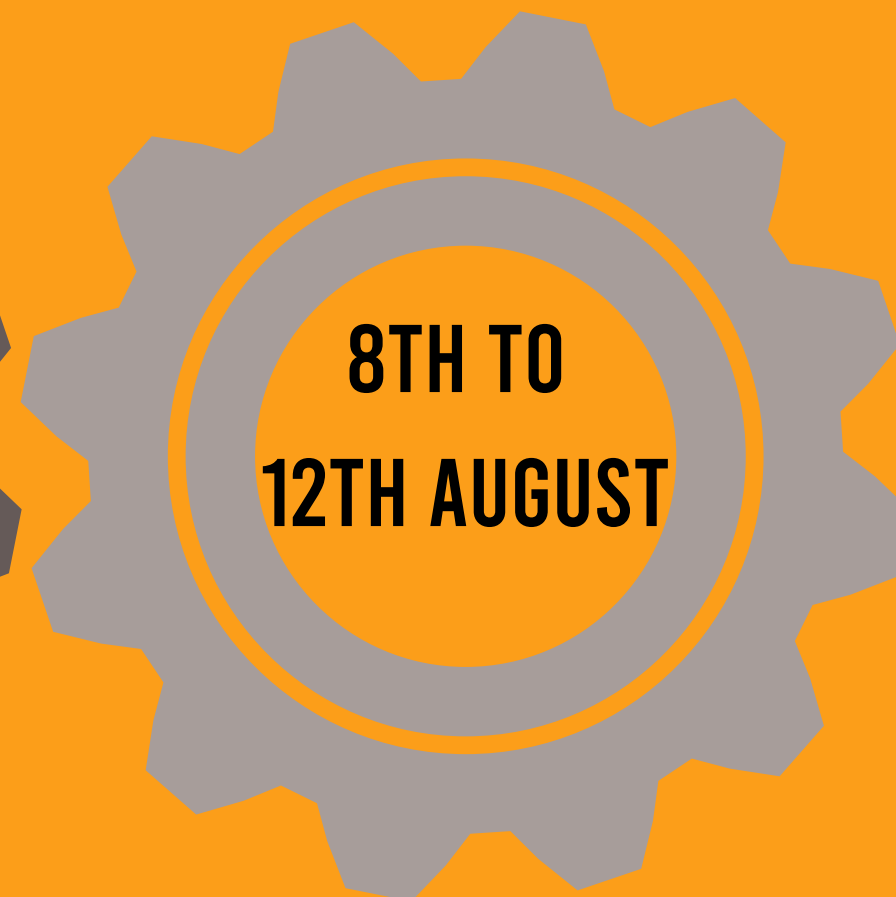
TOTAL SCHOOLS

A TOTAL OF 20-30
SCHOOLS AND 80
STUDENTS WILL
PARTICIPATE



WHEN AND WHERE

SUMMER CAMP WILL RUN FROM 18TH JULY TO 12TH AUGUST, 2022

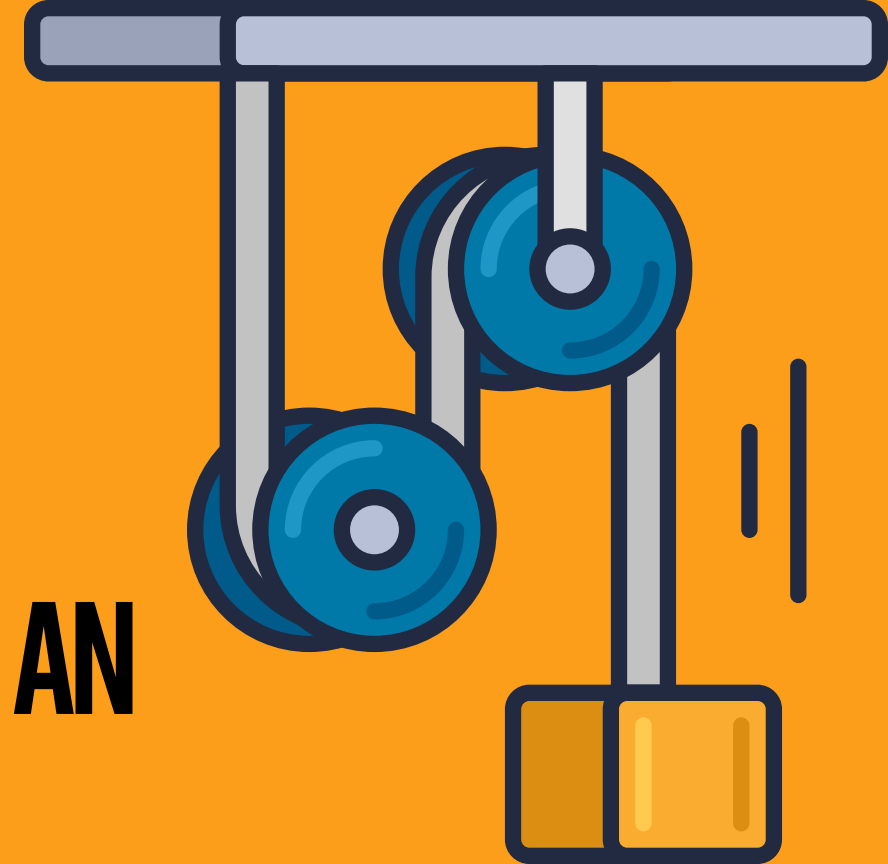


ALL SUMMER CAMP SESSIONS AND ACTIVITIES WILL BE HELD WITHIN THE EMIRATES AVIATION UNIVERSITY CAMPUS.



EXPERIMENTS

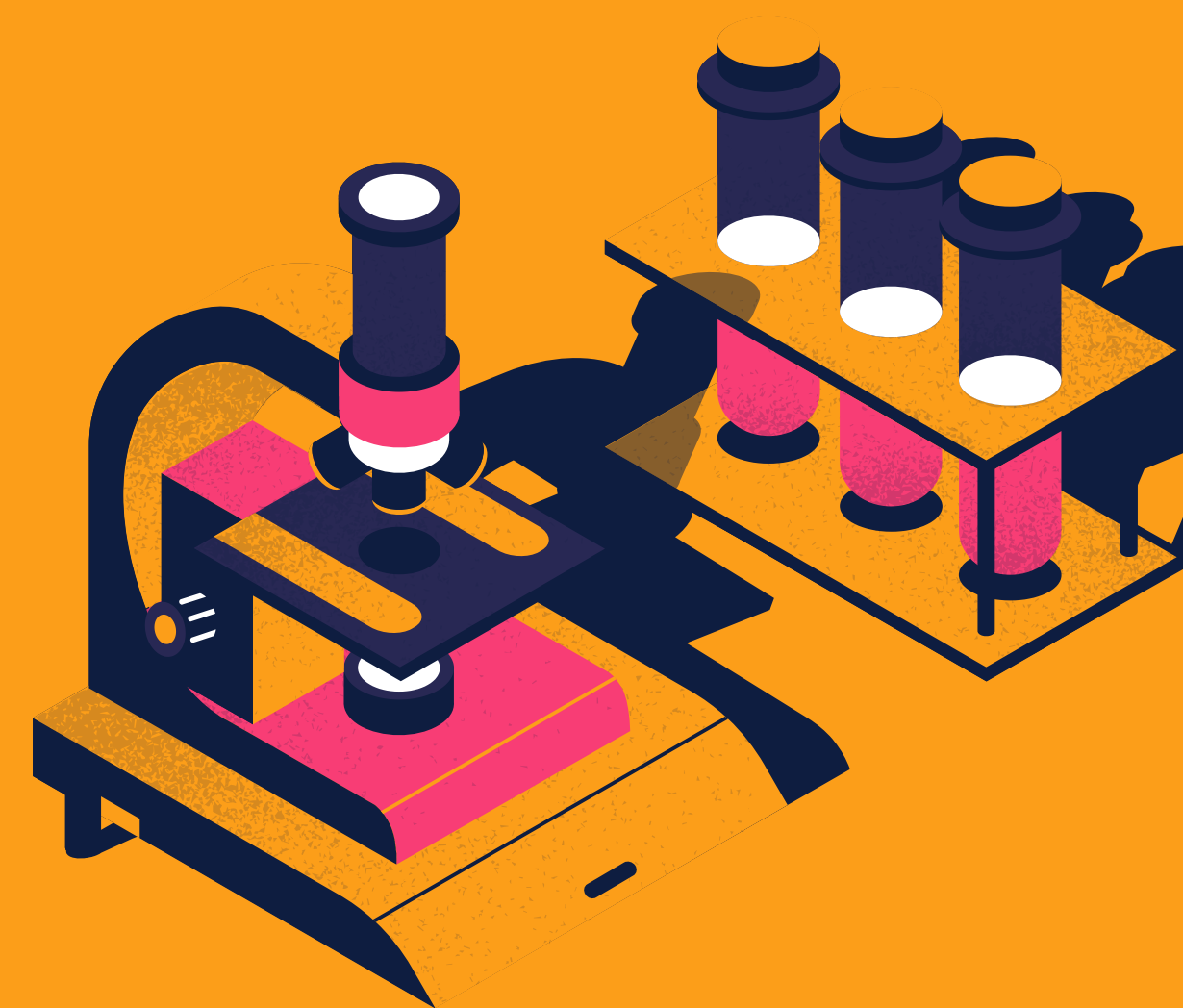
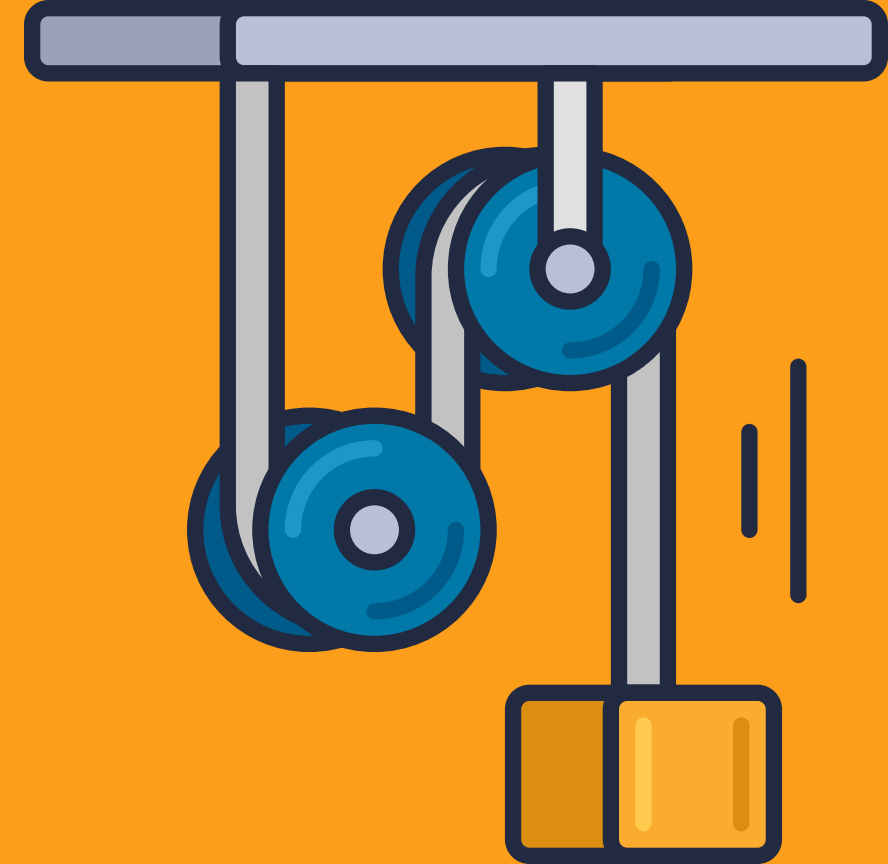
- **WIND TUNNEL EXPERIMENT TO STUDY AERODYNAMICS OF AN AIRCRAFT WING**
- **EXPERIMENT TO STUDY THE BASIC LAWS OF ELECTRONICS**
- **ENGINE WORKSHOP**
- **COMPUTER NUMERICAL CONTROLLED SYSTEMS [3D PRINTING, MILLING, AND LATHE]**





ACTIVITIES

- **DRONE SYSTEMS**
- **HYDRAULIC AND PNEUMATIC SYSTEMS**
- **MOBILE CONTROLLED PAPER PLANE**
- **WATER ROCKET**
- **FLIGHT SIMULATOR**
- **PRINTED CIRCUIT BOARD (PCB)**





REGISTRATION

- DEADLINE FOR REGISTRATION IS **15:00 ON 7TH JULY 2022.**
- SUMMER CAMP IS LIMITED TO STUDENTS OF GRADE 11 ONWARDS.
- PER SCHOOL, WE CAN HAVE A MAXIMUM OF FOUR STUDENTS ONLY.
- REGISTRATION IS FIRST COME FIRST BASIS AND LIMITED TO 20 SLOTS PER SESSION.
- REGISTRATION FEES: **AED 1000 PER PARTICIPANT.**
- TO REGISTER PLEASE COMPLETE THE REGISTRATION FORM AND SEND IT TO AVIATIONCAMP@EAU.AC.AE



REGISTRATION

- FOR MORE INFORMATION, PLEASE CONTACT MR. ALA EDDINE AJENGUI (PREFERABLY VIA EMAIL)

TELEPHONE: 04 605 0242

EMAIL: AVIATIONCAMP@EAU.AC.AE

LOCATION: EMIRATES AVIATION UNIVERSITY,
ACADEMIC CITY, DUBAI





SCHEDULE

	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
Mo			Introduction & Campus Tour <small>EAU Auditorium</small>			Break Refreshments		Drone System Lecture <small>G28</small>			Drone Building <small>Avionics W/S</small>			
Tu	Aerodynamics & Flight Mechanics <small>G28</small>		Wind Tunnel & Hydraulics Exp <small>Mat & Struct W/S, Aero W/S</small>			Break Refreshments		Mobile Controlled Paper Plane <small>Avionics W/S</small>				Drone Building <small>Avionics W/S</small>		
We	Electrical & Electronic Principles <small>G28</small>		Electronic & Digital Exp <small>Electrical W/S</small>			Break Refreshments		PCB Manufacturing / Engine Activity <small>PCB LAB, Engines W/S</small>				Drone Calibration <small>Avionics W/S</small>		
Th	Drone Flying <small>EAU Field</small>		Water Rocket Construction <small>Avionics W/S</small>			Break Refreshments		AutoCAD <small>LAB 4</small>			Flight Simulator Activity <small>Metrology LAB</small>			
Fr	Water Rocket Launching <small>EAU Field</small>			3D Printing / CNC Machine <small>Projects W/S, Avionics W/S</small>				Break / Refreshments			Closing Ceremony <small>EAU Auditorium</small>			