

2026 EXPLORE SUMMER ENGINEERING COURSE

STUDENT CLASS AND EXTRACULAR ACTIVITIES - WEEK 1

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00		BREAKFAST Day 1	BREAKFAST Day 2	BREAKFAST Day 3	BREAKFAST Day 4	BREAKFAST Day 5	BREAKFAST
9:00		Morning Sessions Welcome and Orientation Overview of Engineering Disciplines Importance of Engineering in Society Ice-breaking activities.	Mechanical Engineering Fundamentals Morning Session: Introduction to Mechanical Engineering Mechanics and Statics Thermodynamics basics Materials and Manufacturing Processes	Electrical and Electronics Engineering Morning Session: Fundamentals of Electrical Engineering Basics of Circuits and Electronics Introduction to Digital Systems Power Systems	Civil and Environmental Engineering Morning Session: Overview of Civil Engineering Structural Engineering Environmental Engineering Sustainable Infrastructure	Computer Science and Software Engineering Morning Session: Introduction to Computer Science Programming fundamentals Software Engineering principles Overview of Artificial Intelligence	
10:00							
11:00							
12:00		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LONDON EXCURSION
13:00		Afternoon Workshop	Afternoon Workshop	Afternoon Workshop	Afternoon Workshop	Afternoon Workshop	
14:00	STUDENT ARRIVAL AND CHECK IN	Team-building exercises Introduction to basic engineering tools and equipment	CAD (Computer-Aided Design) basics Simple mechanical design projects	Electronics lab experiments Breadboard projects	Structural design simulation Environmental impact assessment	Coding exercises Simple software development projects	
15:00	WELCOME RECEPTION	TOURS IN TOWN OPTIONAL	Tours of Kings College, Fencing Session, Volleyball	Punting Down The River Punt tour through the college backs.	Explore the famous Oxford University, visit huge range of museums and famous landmarks.	Cambridge University Botanic Gardens, Tennis	
16:00							
17:00							
18:00	DINNER	DINNER	DINNER	DINNER	DINNER	DINNER	DINNER
EVENING ACTIVITIES	ICEBRAKER Meet your Counsellors and get to know each other.	Night Activities Treasure Hunt, Board Games	Night Activities Shakespeare Festival, Archimedes and His Bath Workshop	Night Activities Disco, Cinema Night Dance the night away or watch the latest movie blockbusters	Dinner in restaurant in Oxford.	Show Your Talent, Salsa	Observe The Stars, Quiz Night Visit the Institute of Astronomy and learn more about the Universe, or test your knowledge in our quiz night.
	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew

STUDENT CLASS AND EXTRACULAR ACTIVITIES - WEEK 2

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00	BREAKFAST	BREAKFAST Day 6	BREAKFAST Day 7	BREAKFAST Day 8	BREAKFAST Day 9	BREAKFAST Day 10	BREAKFAST
9:00	Free Time Work on your assignments, explore the town in groups.	Aerospace and Aeronautical Engineering Morning Session: Basics of Aerospace Engineering Aerodynamics and Flight Mechanics Space Exploration.	Biomedical Engineering Morning Session: Introduction to Biomedical Engineering Medical Imaging and Devices Biomechanics Bioinformatics	Robotics and Automation Morning Session: Overview of Robotics Types of Robots Automation and Industry 4.0 Ethical considerations in Robotics	Civil and Environmental Engineering Morning Session: Overview of Civil Engineering Structural Engineering Environmental Engineering Sustainable Infrastructure	Project Day Morning Session: Forming project teams Brainstorming project ideas Planning and scoping projects	
10:00							
11:00							
12:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	Departures
13:00	Attend Local Festival Enjoy free time with your new friends, do some arts and crafts or join our Counsellors at local festival.	Afternoon Workshop Build and launch model rockets Flight simulation exercisest	Afternoon Workshop Hands-on experience with medical devices Biomechanics experiment Day 8: Robotics and Automation	Afternoon Workshop Programming robotic arms Building simple automated systems	Afternoon Workshop Structural design simulation Environmental impact assessment	Afternoon Workshop Project work with guidance from instructors	
14:00		Afternoon Tea At Orchard Gardens, Rounders	Imperial War Museum Duxford, Trampolineing	University Admissions Discussions, Fitzwilliam Museum	Field Visits, University Tours London Full Day Trip	Graduation Party	
15:00							
16:00							
17:00							
18:00	DINNER	DINNER	DINNER	DINNER	DINNER	DINNER	DINNER
EVENING ACTIVITIES	ICEBRAKER Meet your Counsellors and get to know each other.	Night Activities Ghost Tour, Zumba	Night Activities Bowling, Drumming Workshop	Night Activities LITE Regal Olympics	Movie Night	Show Your Talent, Salsa	
	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew	10.30pm Curfew

LITE REGAL EDUCATION

INSPIRATIONAL SUMMER SCHOOL 2025 - LONDON, CAMBRIDGE & OXFORD