URBAN GREEN SPACES ECO STEAM CHALLENGE

ARBOR

FRIDAY, APRIL 23RD 2027

BSME
BRITISH SCHOOLS IN THE MIDDLE EAST

INSPIRING CHANGE THROUGH CREATIVITY

IN COLLABORATION WITH

THE ENGLISH SCHOOL

ST CHRISTOPHER'S SCHOOL 1961 BAHRAIN

MAMOURA BRITISH ACADEMY

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Participating Year 5 & 6 students are invited to design innovative urban green spaces that promote sustainability, biodiversity, and community well-being. Working in teams of 4 (plus one accompanying adult), students will present creative solutions to reimagine urban areas with nature in mind.

The registration fee for this challenge is 750 AED per school, which includes catering, prizes, and event resources. Transport costs are not included. Schools that participated in last year's eco STEM event can enter at a discounted fee of 550 AED per school.

Join us in inspiring the next generation of eco-conscious urban designers!

EVENT TIMELINE:

10th September 2026 : Registration Opens
28th November 2026: Registration Closes
20th March 2027: Final Date for Payment

Sign up here.

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SCHEDULE (SUBJECT TO CHANGE)

TIME	ACTIVITY
8:45-9:15	Arrival, sign in, set up, meet and greet
9:15-9:30	Welcome Message
9:30-10:30	Project Presentation Session 1
10:30-10:45	Break (catered)
10:45-11:30	Project Presentation Session 2
11:30-12:15	School tour & Lunch (catered)
12:15-12:30	Prize giving

Prize Categories:

- Innovation, Functionality & Community Experience
- Biodiversity & Nature Integration
- Sustainability & Environmental Impact

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SUSTAINABILITY & ENVIRONMENTAL IMPACT

HOW WELL DOES THE DESIGN SUPPORT THE PLANET?

JUDGES ASSESS HOW EFFECTIVELY STUDENTS INTEGRATE SUSTAINABILITY PRINCIPLES SUCH AS RENEWABLE MATERIALS, WATER CONSERVATION, SHADE CREATION, CLIMATE-APPROPRIATE PLANTS, AND ECO-FRIENDLY INFRASTRUCTURE. PROJECTS SHOULD DEMONSTRATE AN UNDERSTANDING OF LONG-TERM ENVIRONMENTAL BENEFITS, INCLUDING IMPROVED AIR QUALITY, REDUCED HEAT, AND RESOURCE-EFFICIENT DESIGN.

BIODIVERSITY & NATURE INTEGRATION

HOW CREATIVELY AND MEANINGFULLY DOES THE DESIGN BRING NATURE INTO THE CITY?

THIS CATEGORY FOCUSES ON THE INCLUSION OF HABITATS FOR LOCAL WILDLIFE, THOUGHTFUL PLANT SELECTION (NATIVE SPECIES PREFERRED), POLLINATOR-FRIENDLY FEATURES, VERTICAL OR MICRO-GARDENS, AND ECOLOGICAL CONNECTIVITY. STUDENTS SHOULD SHOW HOW THEIR DESIGN SUPPORTS BIRDS, INSECTS, AND OTHER ORGANISMS THAT CAN THRIVE IN AN URBAN SETTING.

INNOVATION, FUNCTIONALITY & COMMUNITY EXPERIENCE

HOW IMAGINATIVE, PRACTICAL, AND PEOPLE-CENTERED IS THE DESIGN?

JUDGES CONSIDER ORIGINALITY, PROBLEM-SOLVING, AND HOW WELL THE DESIGN IMPROVES COMMUNITY WELL-BEING. THIS INCLUDES ACCESSIBILITY, SAFETY, CREATIVITY, AESTHETIC APPEAL, AND HOW THE SPACE ENCOURAGES PLAY, RELAXATION, LEARNING, AND SOCIAL CONNECTIONS. DESIGNS SHOULD SHOW BOTH IMAGINATION AND REAL-WORLD USABILITY.

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