

immerse
EDUCATION

Environment & Sustainability

SYLLABUS OVERVIEW

15-18 YEARS OLD

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EDUCATION

About the Programme

Immerse Education is an award-winning provider of summer experiences offering academic and career-focused programmes for high school students from worldwide, in such locations as Boston, Cambridge, London, New York, Oxford, San Francisco, Singapore, Sydney, Tokyo, and Toronto. These programmes aim to deliver engaging, academically challenging content within a university-style classroom environment.

The Career Insights programmes bring together industry professionals and university tutors in a unique learning model grounded in project-based learning. Students gain valuable insight into what it's like to study their chosen subject at an advanced level and apply their skills in real-world contexts through interactive academic sessions, practical workshops, and industry visits.

Explore Future Careers

Are you interested in making a difference in global society and sustainability? The Career Insights programme in Tokyo introduces students to career paths focused on creating positive social and environmental impact. Using project-based learning and practical study, this programme lets you tackle current issues in sustainability while working collaboratively with other driven participants. Through hands-on workshops and valuable networking, you'll connect with experts who can provide unique perspectives on the sustainability sector in Japan and worldwide, helping you discover the career best suited to your goals and aspirations.





Project Based Sessions

Students participate in meaningful sessions related to current society and sustainability challenges, such as designing sustainable development plans, creating social impact campaigns, or developing solutions for environmental issues. Each session challenges students to think critically and creatively about how to make an impact on issues facing today's world.

Industry Visits

A key highlight of the programme is the opportunity to go beyond the classroom and visit influential organisations in Tokyo's sustainability sector. These industry visits allow students to engage directly with experts and gain a deeper understanding of how sustainability practices are applied in Japan's advanced economy. From environmental agencies to social innovation hubs, these visits are designed to inspire and expand students' perspectives on potential career paths in sustainability. For example, students may visit the Ukishima Waste to Energy Power Plant, where they learn about innovative approaches to waste management and energy production developed in response to Japan's limited landfill space.

Ukishima Waste-to-Energy Power Plant

The Ukishima Waste-to-Energy Power Plant, located in Kawasaki, Japan, is a state-of-the-art facility that converts municipal waste into electricity. Operated by the city of Kawasaki, this plant is part of Japan's push toward sustainable energy and waste management, combining environmental responsibility with efficient energy production. The facility incinerates waste, generating steam, which then powers turbines to produce electricity. This process reduces the volume of waste significantly, helping to address Japan's limited landfill space. Students will have an opportunity to learn from the experts, and find out more about energy generation and Kawasaki's broader sustainability initiatives.

Why Get Career Ready?

High-quality career guidance is essential for young people making informed decisions about their future. To bridge this gap between the excellent work of schools throughout the year and practical experience, the Career Insights programme aligns with the eight Gatsby Benchmarks of Good Career Guidance, an educational framework designed to prepare students for future careers.



Careers guidance embedded in a residential experience



Encounters with employers and employees



Learning from career and labour market information



Experiences of workplaces



Addressing the needs of each student



Encounters with further and higher education



Linking curriculum learning to careers



Personal guidance

Aim of the Environment & Sustainability Programme

The Immerse Education Global Society & Sustainability programme in Tokyo aims to equip participants with a comprehensive understanding of the social and environmental challenges facing the world today, giving the unique Japanese perspective at the same time. The programme combines theoretical knowledge with hands-on experience, covering topics such as sustainable development and social innovation. By merging foundational learning with practical application, students are prepared to make informed decisions and gain the critical skills needed to pursue impactful careers.

Introduction to Sustainability and Social Innovation

This programme explores the fundamentals of sustainable development and social innovation. Students will learn about key concepts such as climate resilience, renewable energy, and sustainable planning. Discussions and case studies provide a strong foundation for understanding the dynamics of social impact and environmental sustainability.





Global Challenges in a Changing World

Step into the forefront of global issues and explore challenges like climate change, resource scarcity, and social inequality. Through engaging discussions and case studies, you'll uncover how innovative, sustainable solutions are helping companies, countries, and communities around the world build resilience. Discover how you can contribute to creating a better future by addressing the complex problems shaping today's society.



Sustainability and Environmental Policy in Action

Dive into the fascinating world of sustainability and environmental policy. Learn how local and global initiatives are driving change, from renewable energy technologies to sustainable development goals. Gain a deeper understanding of how governments, businesses, and communities collaborate to tackle environmental issues, and see how these efforts shape a more sustainable world.

AI and Emerging Technologies in Sustainability

Participants explore the role of AI and emerging technologies in addressing sustainability challenges. We delve into how AI is transforming fields like environmental monitoring, waste management, and sustainable agriculture. Through case studies, students analyse disruptive technologies such as machine learning for predictive environmental analysis, AI-powered recycling solutions, and data-driven approaches to energy efficiency. Attendees gain insights into the ethical and regulatory considerations involved in applying AI to sustainability, as well as its potential for creating scalable solutions to address social and environmental needs globally.

Transformative Educational Experiences





Practical Workshops

Participants will engage in workshops with sustainability-focused organisations and social innovation hubs in Tokyo, offering a firsthand look into tackling global challenges like climate change, urban sustainability, and social equity. These sessions cover essential topics, including sustainable design, modern business practices, and resource management, equipping students with the tools to understand and approach these issues in the age of rapid technological advancement.





Ethics and Responsibility in Social Impact

During the programme, participants examine the ethical challenges and responsibilities within the fields of social impact and sustainability. Through case studies and debates, students discuss issues such as corporate responsibility, environmental justice, and ethical decision-making. By the end of the programme, they will be equipped to navigate complex ethical landscapes essential for meaningful work in sustainability.

Professional Development

The programme bridges learning with future career opportunities in the field of sustainability. Students will attend guest lectures, participate in expert forums, and engage in skill-building workshops on topics like sustainability project management and social impact. One-to-one coaching sessions provide tailored career guidance, ensuring students leave with a clear plan for success in sustainability-focused careers.



Guest Speakers from the Industry

Gain invaluable insights from leaders in sustainability, social innovation, and environmental policy. Our guest speakers, with expertise across a range of fields, share personal career journeys, practical knowledge, and the latest industry trends. These sessions provide students with a broad understanding of the industry and inspire them to explore diverse career paths in global society and sustainability.



The Career Insights programme has been really (for lack of a better word) immersive. I think Immerse has given me a lot of clarity in terms of having a better understanding of what a career, or even university education, in medicine looks like.

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Immerse Career Insights Alumni



Partnerships & Accreditation



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