

INSPIRING MINDS SINCE
2012
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IMMERSE EDUCATION

immerse
EDUCATION

Architecture & Design

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

Do you have your sights set on a particular career path? The Career Insights summer programme will introduce you to a world of opportunities in the field, using project-based learning and practical study to enhance your skills and knowledge.

On this unique programme, you will explore real- world issues relating to the context of your chosen subject, working alongside other academically talented participants to innovate and pitch groundbreaking ideas. Interactive workshops and networking events offer you the opportunity to learn from professionals in the business. The Career Insights educational model is designed to support you in finding the career path best suited to your long-term goals and ambitions. Immerse Education has worked with expert guidance counsellors, seasoned educators and experienced career advisors to design the ultimate career preparation course.

Transformative Educational Experiences





Project Based Sessions

Career Insights lessons are built on the foundation of hands-on learning. We want you not just to retain knowledge, but also to apply your newfound understanding to real-world, practical examples as you develop throughout the programme. Our Project Based sessions are designed for you to have ample opportunity to apply what you are learning to practical tasks, allowing you to further identify gaps in your knowledge and skillset while solidifying your growth and understanding.



Industry Visits

One of the most exciting parts of the Career Insights programme is the unique opportunity for participants to attend inspiring industry visits whereby they can interact and learn from industry professionals in their field of study. Industry visits take learning out of the classroom and into the real world, where students can observe and explore how the skills and knowledge built throughout the programme apply to a career in their subject. This unique aspect of our programme ensures students also gain the chance to network directly with industry professionals who may share with you opportunities you hadn't otherwise envisioned.

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 Architecture & Design Programme

Architecture is ever evolving, from the Shard to the Shanghai tower, Amager Hill to the Bahrain World Trade Centre, and as such comes an ever-increasing need for new talent with the right blend of technical skills and architectural vision. On this programme, you will learn the basics of architecture and design principles, and be inspired by the architectural vision of peers and professionals while cultivating your own creativity.



Architectural Design Development

This module will introduce you to the key principles of architectural design, from balance to rhythm, emphasis to contrast, to visual, proportion and scale. You will establish an understanding of the fundamental link between creative design, technological, environmental considerations, and social and historical context, and how these factors may influence an architectural design project.

Architectural Design Realisation

Your creative design skills will be pushed into the next stage of the design process in this module - the realisation of design concepts into technical details and visualizations. You will be tasked with bringing an idea to life, using architectural design software and design principles taught in the previous unit. This module is designed to challenge and advance your technical skills in the field.



The Science of Materials

In this module, you will be exposed to the scientific principles of materials used in architecture, engineering and construction. The goal of this unit is to build a firm understanding of the tools used in the field and the questions an architect may need to consider when pursuing a design concept.





Sustainable Refurbishment

This unit will equip you with the skills and knowledge needed to identify refurbishment solutions that can improve a building's performance, align it with future needs, and produce reports and record drawings of buildings. You will have the chance to examine current issues in relation to global warming and explore how modern architects are finding solutions to these complex problems in their designs. You will apply the knowledge and skills taught by producing your own sustainable refurbishment plan for a building of your choice.



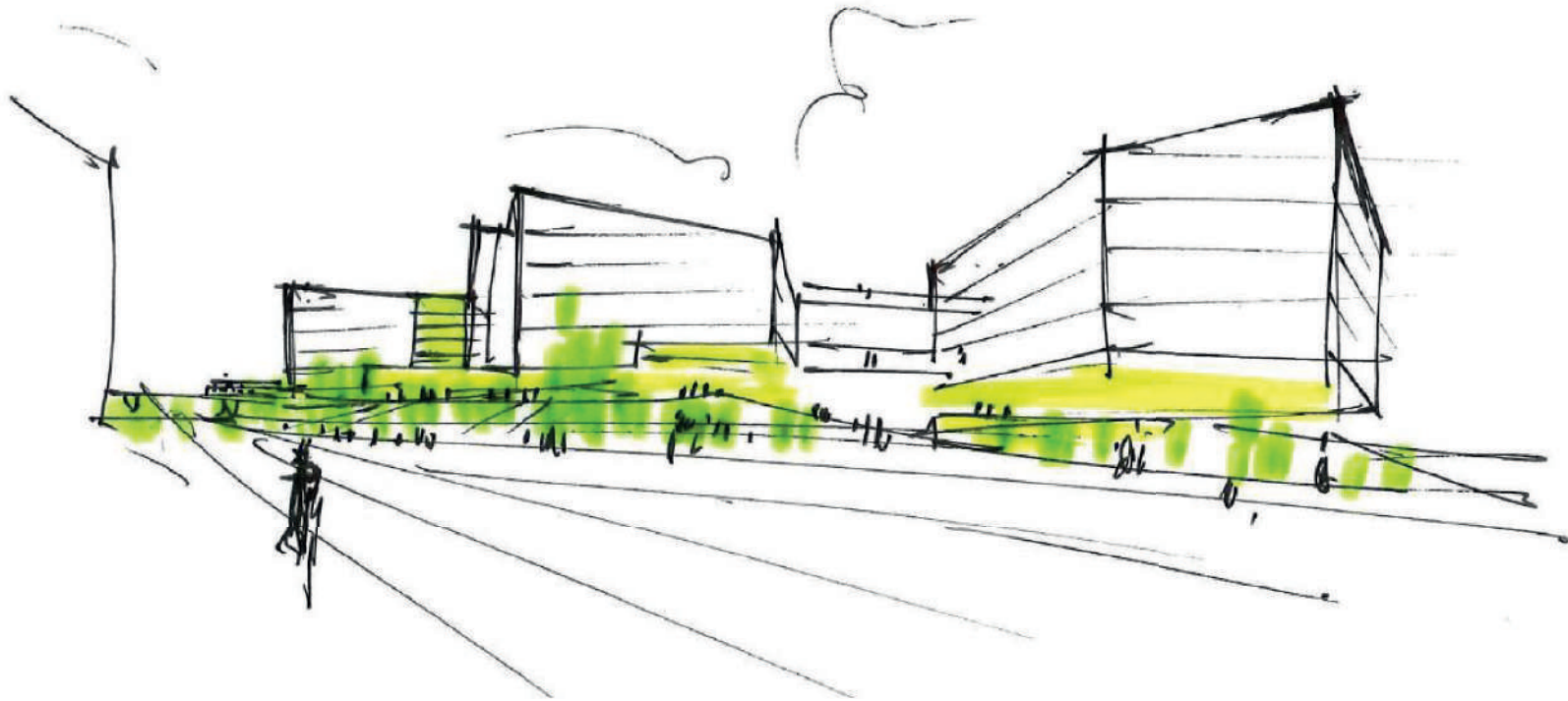
Free-Hand Architectural Designs

Drawings are a means of communication that can solve many problems when it comes to representing an architectural space and its elements. Learn how to draw, by hand, an entire architectural design with basic graphical representations as well as different observational techniques and custom atmospheres. Floor plans, sections, facades, and different perspectives, are some of the elements you will be able to draw by the end of this module.



Introduction to Interior Design

Learn to develop an interior design project from a client's vision to the detailed preparation of the final project. In this module, you will explore the world of interior design, form an understanding of how measurements and proportions work, as well as establishing the right criteria when selecting materials, lighting, colours, and textures for the best result.



Digital Illustrations

Ideas are brought to life in this module where you'll learn how to portray spaces in a semi-realistic way, creating a bridge between the technical and the artistic. You will learn how to generate an illustrated presentation of an architectural project, focusing on two aspects, axonometric and pedestrian, to enable you to effectively communicate the idea behind an architectural project, with artistic flair. This part of the unit will inform your personal project as you build digital designs that will be a part of a design portfolio.

Collaging

Collaging is one of the many ways you can express an architectural design project, involving the use of evocative images to effectively share an idea with a client. In this module, you will learn the foundations of the digital collage technique to represent your own architectural project, using different programs and plug-ins for modelling and image editing. By the end of this module, you will have the tools to create collages to share your vision effectively with others.



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, looks like.

Mia

Immerse Career Insights Alumni



Partnerships & Accreditation



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