



SBC

COURSE OVERVIEW

# Future Scientists

11-15yrs



 SBC Canford



## SBC Canford

Ages: 11-15

Duration: 2 weeks

English Level: B1+

## At a Glance

### Preparing Tomorrow's Scientists

Tailored for aspiring scientists, our two-week Future Scientist course will broaden your understanding of the natural world and equip you with the essential skills needed for a future in scientific research and innovation. Immerse yourself in hands-on experiments and cutting-edge scientific exploration, gaining a deep understanding of core scientific principles. Engage in stimulating discussions on the latest scientific discoveries and ethical considerations in research, sharpening your analytical thinking and expanding your scientific worldview.

But it's not just about experiments and theories; we also emphasize the importance of collaborative problem-solving, critical thinking, and innovation. Develop key skills such as teamwork, communication, and perseverance, which are essential for navigating the challenges of scientific research. You will also participate in advanced laboratory sessions, where you will learn to design experiments, analyse data, and present your findings with confidence.

Led by experienced scientists and educators, our interactive sessions provide you with an authentic glimpse into the world of science. Join us at SBC this summer and start your journey towards a future of discovery and innovation!



## Sample Timetable

### WEEK ONE TIMETABLE

	Tuesday	Wednesday	Thursday	Saturday	Sunday
9:00-10:30	<b>Lesson 1</b> Introduction to STEM Fields	<b>Lesson 1</b> Biology and Chemistry Basics	<b>Lesson 1</b> Principles of Engineering	<b>Lesson 1</b> Laboratory Experiments	<b>Lesson 1</b> Sustainable Energy Systems
11:00-12:30	<b>Lesson 2</b> Time to Shine – Project Introduction	<b>Lesson 2</b> Time to Shine – Research and Data Analysis	<b>Lesson 2</b> Time to Shine – Group Project Discussion	<b>Lesson 2</b> Time to Shine – Project Development and Public Speaking Skills	<b>Lesson 2</b> Time to Shine Ceremony

### WEEK TWO TIMETABLE

	Tuesday	Wednesday	Thursday	Saturday	Sunday
9:00-10:30	<b>Lesson 1</b> Robotics and Automation	<b>Lesson 1</b> Climate Science and Earth Systems	<b>Lesson 1</b> Space Exploration and Astrophysics	<b>Lesson 1</b> Artificial Intelligence and Machine Learning	<b>Lesson 1</b> Future Trends in Technology and Science
11:00-12:30	<b>Lesson 2</b> Time to Shine – Project Introduction	<b>Lesson 2</b> Time to Shine – Research and Data Analysis	<b>Lesson 2</b> Time to Shine – Group Project Discussion	<b>Lesson 2</b> Time to Shine – Project Development and Public Speaking Skills	<b>Lesson 2</b> Time to Shine Ceremony





## Course Objectives

We believe in making science fun and accessible, allowing our younger students to explore the wonders of the natural world through interactive experiments and exciting discoveries. Whether you're interested in biology, chemistry, or physics, this course will spark your curiosity and inspire a lifelong love of science.

### Module 1

#### Discover the Living World

Explore the diversity of life on Earth by learning about ecosystems, cell biology, and organism-environment interactions, with simple experiments to understand the building blocks of life and their role in the world.

### Module 2

#### Exploring Matter and Energy

Discover the basic principles of chemistry and physics by exploring matter, chemical changes, and different forms of energy, with fun experiments that demonstrate these concepts in everyday life.

### Module 3

#### The Wonders of Space and Earth

Embark on a journey through space and time by learning about the solar system, Earth's structure, and geological forces, with engaging activities to explore space mysteries and understand the universe.



#### Previous projects include:

#### Harnessing Solar Energy: Innovations in Photovoltaic Technology

A research-based project that explores the latest advancements in solar energy technology and their potential to revolutionize renewable energy sources.

This Time to Shine project allows you to engage with the scientific process, from hypothesis formulation to data analysis, culminating in a presentation that demonstrates your depth of knowledge and passion for science.



## Time to Shine

For your Time to Shine project, you will embark on an extended research project focused on a scientific topic that intrigues you. This project will give you the opportunity to dive deep into your chosen field, apply scientific methods, and present your findings to peers and instructors. It's a chance to showcase your analytical skills, creativity, and understanding of complex scientific principles.



## Our Approach to Your Learning

At Canford School, we focus on making learning an exciting adventure. In SBC Sciences, our approach is to blend hands-on activities with guided discovery, encouraging you to ask questions, experiment, and think like a young scientist. Our lessons are designed to be interactive and enjoyable, helping you build confidence in your scientific abilities while having fun. With supportive teachers and a friendly environment, we aim to nurture your natural curiosity and inspire you to explore the world of science with enthusiasm.



## Academic Content

15 hours of subject-specific academic content per week with a subject tutor, delivered through interactive and hands-on lessons.



## English Level

Students require a minimum English level of B1+ to enrol onto this programme.

## Secure your place

A booking can be made online on our website [summerboardingcourses.com](https://summerboardingcourses.com)

Our programmes fill up fast so we recommend you book early to secure a space on our most popular courses. If you are booking on behalf of a family, please let us know at the time of booking.



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