



Nº1

The UK's Number One  
Summer School

COURSE OVERVIEW

# English Adventures

12-16yrs

📍 Headington



# At a glance

## Introduction to English Adventures

English Adventurers is an immersive two-week language programme for students of all levels, from A1 to C1. You'll build your confidence in English through interactive lessons, practical tasks, and creative projects that bring the language to life. From structured grammar and vocabulary sessions to roleplay, debates, and collaborative writing, every activity is designed to help you communicate more fluently and effectively. Learning doesn't stop in the classroom – you'll also practise your English in real-world contexts, from cultural visits to group challenges that test your skills in new ways. With support from experienced language tutors, you'll strengthen your accuracy, expand your vocabulary, and grow the confidence to use English naturally in academic and everyday situations.

## Academic Content

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

## English Language Level

Students of all English levels can enrol onto this programme.





## About the programme

English Adventurers is a two-week programme for students at every stage of language learning, from A1 to C1. Lessons are interactive and practical, helping you build the skills you need to use English with confidence. You'll work on grammar, vocabulary, speaking and writing in ways that connect directly to real communication.

Learning happens inside and outside the classroom. You'll take part in discussions, roleplay, storytelling and collaborative projects that make language practice engaging and memorable. Excursions and fieldwork give you the chance to test your skills in authentic settings, turning the city into an extension of your classroom.

By the end of the course, you'll notice real progress in fluency, accuracy and confidence. With guidance from experienced tutors, you'll leave with a stronger command of English and the confidence to use it in academic settings, international exams, or everyday conversation.





## Key Learning Outcomes



1.

### Confident communication

Build fluency through discussions, role plays and short presentations, learning to express ideas clearly with natural pace and tone.

2.

### Reading and writing skills

Strengthen comprehension of articles, stories and reports, then produce accurate, engaging writing for different audiences and purposes.

3.

### Real-world application

Use English in practical tasks and fieldwork, conducting interviews, collaborating on projects and communicating effectively beyond the classroom.

4.

### Cultural understanding

Explore how language reflects culture and perspective, developing the awareness to adapt your English in international settings.



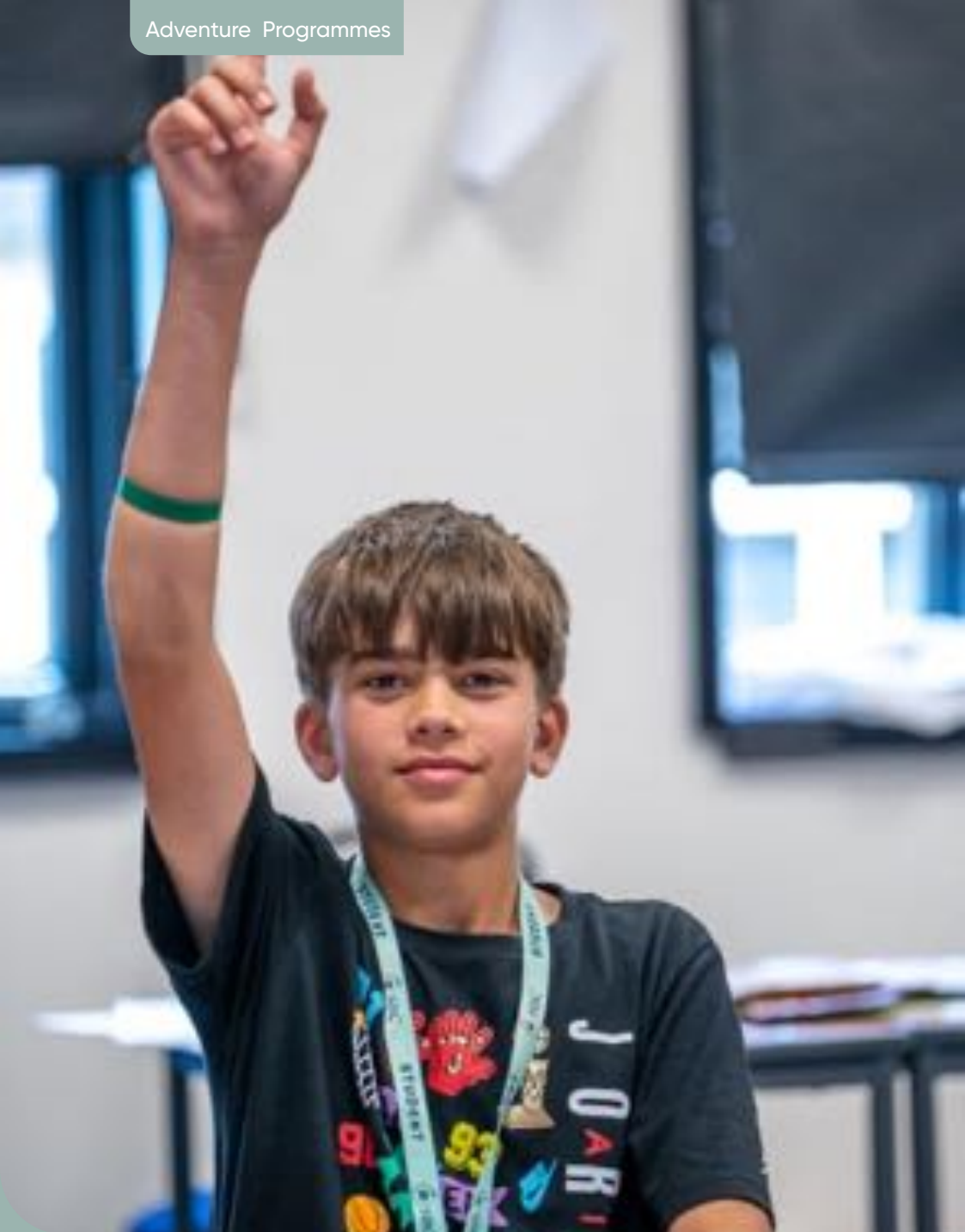


# Subject Theme

## The Big Solutions Challenge

The Big Solutions Challenge gives students the chance to confront some of the greatest challenges facing our world today. Working in teams, you'll explore issues such as global health, climate change, peacebuilding, and the role of technology, thinking critically about what solutions might look like in the future. Each subject plays a part in shaping these answers: doctors lead health campaigns, scientists present breakthrough models, entrepreneurs pitch start-ups, leaders draft charters, and journalists bring stories to life. Over the course of the week, ideas are tested, refined, and brought into focus, preparing for a final showcase where projects are revealed to the whole community. The result is a live event of campaigns, inventions, and performances that demonstrates how young minds can approach the toughest questions with creativity and determination.





## Fundamental concepts

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English Adventures focuses on communication in real contexts. Students use English not just for study, but to create and perform – writing scripts, delivering reports, and speaking in front of an audience. The aim is to build fluency, confidence, and accuracy through active use of the language.

## English Adventures Frameworks

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The programme follows the structure of a live newsroom. Students work in teams to write news bulletins, prepare interviews, and rehearse performances. They combine reading, writing, listening, and speaking skills to produce a broadcast that feels authentic. The framework mirrors professional journalism, where collaboration and clarity are key.

## Foundational Vocabulary

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Fluency, accuracy, register, pronunciation, intonation, dialogue, script, anchor, correspondent, interview, headline, broadcast, performance, audience.





## Time to Shine

Time to Shine gives every student the chance to practise public speaking in a structured setting. By researching, preparing and delivering a project to an audience, you build confidence in expressing ideas clearly and develop the ability to present with authority. It's an opportunity to refine communication skills that are valuable for academic study, professional life and beyond.

The showcase transforms the classroom newsroom into a live stage. English Adventurers present a full news broadcast as if reporting on a global crisis and its solutions. Anchors introduce the programme, correspondents deliver reports from the "field", and interview segments bring different perspectives to life. The performance gives students the chance to demonstrate their English in a public, dynamic setting, with the audience watching events unfold as though on a real news channel.





## Time to Shine Project: Week One

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Write and deliver a breaking news bulletin. Students script headlines, prepare short reports, and present them live, focusing on clarity and pace. The bulletin covers the chosen global crisis and sets the scene for the solutions their peers are working on.

## Time to Shine Project: Week Two

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Produce a feature story or interview segment that explores a solution in more depth. Teams might role-play an interview with a scientist, a community leader, or an entrepreneur, asking questions and giving clear answers in English. The aim is to use descriptive and persuasive language to make the audience believe they are watching a genuine broadcast.





# Course Objectives

English Adventurers is a two-week language journey that builds confidence, fluency and expression across every level, from beginner to advanced. Lessons go beyond grammar and vocabulary, giving you the tools to communicate with clarity and style, whether in academic discussion or everyday conversation. Through projects, excursions and fieldwork, the classroom opens into the world around you, turning English into a living, shared experience. By the end, you'll have grown not only in skill, but in the confidence to use your voice on an international stage.

## Module 1

### Communication in Action

Develop your speaking and listening skills through debates, role-plays and real-world scenarios. You'll learn how to express ideas clearly, respond with confidence, and adapt your language to different contexts, from casual conversation to formal discussion.

## Module 2

### Language for Exploration

Build your reading and writing skills through projects that connect with culture, history and current events. From creative writing to article drafting, you'll strengthen your ability to communicate in writing while expanding your vocabulary and understanding of English in context.

## Module 3

### English Beyond the Classroom

Take learning outside into the city and campus. Fieldwork tasks, interviews and collaborative projects turn language into a tool for discovery, helping you use English naturally and authentically in real-world settings.





## Academic Difficulty

The tasks are open and flexible, so no specialist knowledge is needed. The challenge lies in using English publicly and spontaneously. For some, this means reading a script aloud with confidence; for others, it means improvising questions and answers in an interview. Support is given through drafting, rehearsal, and feedback, so the showcase is demanding but achievable for all.





## Case Study

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### Bridging Theory and Real World Application

The skills developed in English Adventures connect directly to real industries. Journalism and broadcasting rely on clear scripts, concise delivery, and teamwork between anchors, reporters, and producers. Business leaders use the same communication techniques to deliver presentations, conduct interviews, and persuade investors. In international organisations, English is often the working language for negotiations and public statements. Even in technology and creative industries, storytelling and presentation shape how ideas are shared. By preparing news bulletins and live reports, students practise the same techniques used every day by professionals who need to inform, persuade, and engage audiences across the world.





## Fieldwork Research

Work moves beyond the classroom, with students rehearsing reports in outdoor spaces or filming short "live" updates in front of buildings, gardens, or sports areas. This creates the feel of a real outside broadcast, and helps them practise projecting their voices in open environments. Students practise reporting by gathering stories around campus. They might cover the progress of festival projects, interview peers, or report on a live event in the summer school. These activities give them material for their scripts while reinforcing language use in real contexts.





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COURSE OVERVIEW

## Future Doctor

12-16yrs

📍 Headington



# At a glance

## Introduction to Future Doctor

Future Doctors is a two-week programme for students who want to take their first steps into medicine. You'll study how the human body works, look at what happens when things go wrong, and learn about the principles of patient care. Alongside this, you'll be introduced to the ethical questions and professional skills that define modern medicine. The course gives you both the knowledge and the experience to start thinking seriously about a future in healthcare.

### Academic Content

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

### English Language Level

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





## About the programme

Future Doctors is designed for young people who are curious about medicine and what it means to work in healthcare. Over two weeks you'll be introduced to core areas of medical study, from anatomy and physiology to pathology and diagnostics. You'll start to see how different systems of the body connect, and how doctors use their knowledge to recognise and treat illness.

Learning is practical as well as theoretical. You'll work through case studies, practise clinical skills in simulated settings, and explore how doctors gather patient histories and make decisions under pressure. These activities bring the subject to life and give you a sense of what medical training involves.

The programme also looks at the wider responsibilities of medicine. You'll discuss ethical dilemmas, learn how research drives progress in healthcare, and reflect on the values that guide patient care. Through debate and group work, you'll build the ability to think critically about questions that don't always have a simple answer.

By the end of the course you'll have strengthened your understanding of medical science and gained a clearer picture of what it takes to become a doctor. Just as importantly, you'll develop confidence, teamwork and communication skills that will serve you well in any academic or professional path you choose to follow.





## Key Learning Outcomes



### 1.

#### Medical Knowledge

Build a strong foundation in the medical sciences by studying anatomy, physiology and the mechanisms of disease. You'll explore how the body functions in health and illness, preparing you to make connections between theory and clinical practice in later studies.

### 2.

#### Practical Skills

Take part in carefully designed clinical simulations that mirror real medical environments. From basic patient assessment and history-taking to first aid and diagnostic reasoning, you'll begin to develop the skills that underpin professional medical practice.

### 3.

#### Ethical Awareness

Engage with the moral and ethical challenges that doctors face every day. You'll consider questions around consent, confidentiality, resource allocation and patient care, gaining insight into the responsibilities that come with working in medicine.

### 4.

#### Collaboration and Communication

Experience the teamwork and communication that define healthcare. Through case studies, group projects and peer-to-peer discussions, you'll learn how to work with others effectively, explain complex ideas with confidence, and begin to think like part of a medical team.





# Subject Theme

## The Big Solutions Challenge

The Big Solutions Challenge gives students the chance to confront some of the greatest challenges facing our world today. Working in teams, you'll explore issues such as global health, climate change, peacebuilding, and the role of technology, thinking critically about what solutions might look like in the future. Each subject plays a part in shaping these answers: doctors lead health campaigns, scientists present breakthrough models, entrepreneurs pitch start-ups, leaders draft charters, and journalists bring stories to life. Over the course of the week, ideas are tested, refined, and brought into focus, preparing for a final showcase where projects are revealed to the whole community. The result is a live event of campaigns, inventions, and performances that demonstrates how young minds can approach the toughest questions with creativity and determination.



FUTURE DOCTOR

12-16 YRS

B1+

2 WEEKS

HEADINGTON



## Fundamental concepts

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Future Doctors look at how health campaigns improve lives on a global scale. Students explore public health principles such as prevention, access to clean water, nutrition, and vaccination. The focus is on understanding how information, science, and communication work together to change behaviour and save lives.

## Future Doctor Frameworks

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Projects follow the structure of a campaign: identify a health issue, research its causes and impact, design clear messages, and present them in a public forum. Students learn to combine factual evidence with persuasive communication, mirroring the way real health organisations raise awareness and influence communities.

## Foundational Vocabulary

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Prevention, treatment, vaccination, sanitation, nutrition, hygiene, transmission, epidemic, awareness, campaign, outreach, access, equity, wellbeing.





## Time to Shine

Time to Shine gives every student the chance to practise public speaking in a structured setting. By researching, preparing and delivering a project to an audience, you build confidence in expressing ideas clearly and develop the ability to present with authority. It's an opportunity to refine communication skills that are valuable for academic study, professional life and beyond.

The Big Solutions showcase ends with health campaigns brought to life on stage. Future Doctors present as public health leaders, addressing the audience as if they were speaking to a global community. Each team explains the issue they chose, shows the materials they created, and delivers the message of their campaign with clarity and impact. Posters, leaflets, slogans, and live speeches all come together in a performance designed to inform and persuade.





## Time to Shine Project: Week One

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Design a campaign focused on clean water and sanitation. Students research the global impact of unsafe water, then create posters, leaflets, and a short presentation that explains how access to clean supplies prevents disease and supports healthy communities.

## Time to Shine Project: Week Two

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Create a campaign on vaccines or nutrition. The project might highlight the benefits of immunisation against preventable diseases or show how balanced diets protect health. Students use evidence to shape their message and then present it as if launching a real campaign to the public.





# Course Objectives

Welcome to Future Doctors, a comprehensive programme designed for aspiring medical professionals aged 13-16. At Headington School, we are committed to nurturing your passion for medicine by providing a deep dive into the world of healthcare. This course offers an exciting introduction to the fundamentals of medicine, covering topics from human anatomy and physiology to medical ethics and patient care. Whether you're dreaming of becoming a doctor, nurse, or medical researcher, Future Doctors will give you the foundation you need to pursue your ambitions.

## Module 1

### **The Human Body in Focus**

In this module you'll explore the structure and function of the body, looking closely at systems such as the heart, lungs and brain. Through guided study and practical demonstrations, you'll learn how these systems work together to keep us alive and what happens when things go wrong. This introduction to anatomy and physiology builds the foundation for all later medical learning.

## Module 2

### **Clinical Skills and Diagnostics**

Here you'll step into the role of a doctor, practising essential skills that form the basis of patient care. You'll learn how to take a medical history, carry out simple examinations, and use diagnostic reasoning to work through case studies. Simulation exercises give you the chance to apply knowledge to real scenarios, showing how science is used in everyday practice.

## Module 3

### **Ethics, Research and the Future of Medicine**

Medicine isn't only about science, it's about people. In this module you'll debate ethical questions around patient choice, public health and medical research. You'll also explore how new discoveries and technologies are changing the way we treat disease. By the end, you'll have a clearer understanding of both the challenges and opportunities that shape the future of healthcare.





## Academic Difficulty

No medical background is required. The projects are designed to be accessible but demanding, asking students to research, simplify complex ideas, and then communicate them clearly. The main challenge is turning accurate information into a message that can reach a wide audience – just as public health professionals must do in the real world.





## Case Study

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### Bridging Theory and Real World Application

Public health campaigns rely on theory drawn from medicine, communication, and behavioural science. Hospitals and clinics focus on treatment, but prevention depends on education and outreach. Governments use health campaigns to guide populations during crises, from vaccination drives to anti-smoking policies. Aid organisations apply the same principles when tackling malnutrition or sanitation in vulnerable regions. Even businesses contribute, for example through workplace wellness initiatives or food labelling. By creating their own campaigns, students see how scientific knowledge is translated into action across many different sectors.





## Fieldwork Research

Campaigns often require visibility, so students test their ideas in open spaces – displaying posters, trialling slogans, or sharing leaflets with peers to see how the message is received. This mirrors the outreach methods used in real health education. Students gather information from their surroundings by looking at food labelling, water use on campus, or hygiene habits in shared spaces. These observations help them design campaigns grounded in daily reality.





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COURSE OVERVIEW

## Future Entrepreneur

12-16yrs

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# At a glance

## Introduction to Future Entrepreneur

The Future Entrepreneur course is designed for students who aspire to make an impact in the world of business. Through a combination of strategic thinking, creative problem-solving, and real-world applications, this programme prepares you to lead with confidence in an ever-evolving global market.

### Academic Content

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

### English Language Level

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





## About the programme

Our two-week Future Entrepreneurs programme is crafted for ambitious students ready to dive into the fast-paced world of business. This programme offers a deep dive into key business disciplines, including entrepreneurship, marketing, and financial strategy, equipping you with the knowledge and skills to thrive in any business environment.

The course emphasises innovation and strategic leadership. You'll be challenged to think critically and creatively as you tackle real-world business problems and develop strategies that could shape the future of industries. Through interactive workshops, case studies, and business simulations, you'll gain practical experience that mirrors the challenges faced by today's business leaders.

Collaboration and networking are integral parts of this experience. You'll work in teams to develop business plans, pitch ideas, and analyse market trends, learning to navigate the complexities of teamwork and leadership in a corporate setting. These collaborative projects are designed to sharpen your decision-making skills and enhance your ability to lead diverse teams.

In addition to technical business skills, the course also focuses on personal development, helping you build the confidence, resilience, and adaptability needed to succeed in the business world. You'll engage with industry professionals who will share their insights and experiences, providing you with a real-world perspective on what it takes to lead in today's competitive market.

By the end of the course, you will have a solid foundation in business principles and the leadership skills to drive success in any endeavor. Join us at SBC this summer, and take the first step toward becoming a future business leader ready to innovate and excel.





## Key Learning Outcomes



1.

### Foundations of Entrepreneurship

Understand the principles of entrepreneurship and how new businesses are created, from recognising opportunities to developing workable ideas.

2.

### Business Planning and Strategy

Gain practical experience in planning, decision-making and resource management through business challenges and case studies.

3.

### Communication and Pitching

Develop communication and presentation skills by preparing and delivering business pitches with confidence.

4.

### Collaboration and Problem-Solving

Build teamwork and problem-solving abilities by working collaboratively on projects that reflect real business scenarios.





## Subject Theme

### The Big Solutions Challenge

The Big Solutions Challenge gives students the chance to confront some of the greatest challenges facing our world today. Working in teams, you'll explore issues such as global health, climate change, peacebuilding, and the role of technology, thinking critically about what solutions might look like in the future. Each subject plays a part in shaping these answers: doctors lead health campaigns, scientists present breakthrough models, entrepreneurs pitch start-ups, leaders draft charters, and journalists bring stories to life. Over the course of the week, ideas are tested, refined, and brought into focus, preparing for a final showcase where projects are revealed to the whole community. The result is a live event of campaigns, inventions, and performances that demonstrates how young minds can approach the toughest questions with creativity and determination.



FUTURE ENTREPRENEUR

12-16 YRS

B1+

2 WEEKS

HEADINGTON



## Fundamental concepts

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Future Entrepreneurs explore how new ideas can become real solutions to global challenges. The focus is on creativity, problem-solving, and clear communication. Students learn the essentials of identifying a problem, designing a product or service that addresses it, and showing why it has value.

## Future Entrepreneur Frameworks

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Projects follow the basic steps of entrepreneurship: define the challenge, design a solution, create a prototype or visual, and present a pitch. Students work in teams to prepare their start-up idea, then deliver it to an audience as if seeking investment. The framework encourages teamwork, planning, and the ability to persuade.

## Foundational Vocabulary

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Prototype, pitch, brand, customer, market, innovation, investment, product, service, value, impact, start-up, equity, solution, presentation.





## Time to Shine

Time to Shine gives every student the chance to practise public speaking in a structured setting. By researching, preparing and delivering a project to an audience, you build confidence in expressing ideas clearly and develop the ability to present with authority. It's an opportunity to refine communication skills that are valuable for academic study, professional life and beyond.

In the showcase, Future Entrepreneurs step into the role of founders pitching their global start-ups. Each team takes the stage to present a product or service designed to tackle a pressing challenge such as climate, health, or inequality. They reveal their prototype or brand materials, explain how their idea works, and persuade the audience of its potential impact. The task mirrors real-world pitching: concise, confident, and convincing.





## Time to Shine Project: Week One

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Develop a business idea that improves access to clean resources. This could be technology for safe drinking water, affordable renewable energy, or waste reduction. Students prepare a prototype or visual design, along with a short pitch that explains how their start-up addresses a real global need.

## Time to Shine Project: Week Two

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Create a start-up proposal focused on communication or education. Ideas might include an app that connects isolated communities, a low-cost learning tool, or a service that supports peacebuilding. The project challenges students to think beyond profit, considering how entrepreneurship can improve lives on a global scale.





# Course Objectives

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Future Entrepreneurs is a two-week programme for students who want to understand how business ideas grow and succeed. You'll explore how companies are built, how markets work, and what makes a pitch persuasive. Through projects and simulations you'll practise analysing opportunities, shaping plans and presenting with confidence. By the end, you'll have a stronger grasp of how enterprise works in the real world and the skills to begin shaping your own entrepreneurial path.

## Module 1

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### Building Business Foundations

Learn the essentials of how businesses start and grow. You'll explore the basics of entrepreneurship, from spotting opportunities to understanding what makes an idea workable. Activities focus on planning, goal-setting and exploring the first steps of launching a venture.

## Module 2

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### Markets and Money

This module introduces you to the world of markets, customers and finance. You'll look at how businesses attract buyers, set prices and manage resources. Through case studies and interactive tasks you'll practise analysing trends and making decisions with limited information.

## Module 3

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### Pitch and Present

The final module focuses on communication and persuasion. You'll work in teams to prepare a pitch for a business idea, shaping your message and delivering it with clarity. These sessions give you practical experience in presenting confidently and working under time pressure.





## Academic Difficulty

No background knowledge is required. The tasks are designed to be challenging yet approachable, asking students to move from an initial idea to a structured pitch. The main difficulty lies in explaining the value of their start-up clearly and persuasively, within a short time frame.





## Case Study

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### Bridging Theory and Real World Application

The principles of entrepreneurship run through every sector. In healthcare, low-cost medical devices and mobile clinics show how small innovations scale to save lives. In technology, start-ups use coding and design theory to create apps that transform how people communicate, learn, and work. In renewable energy, entrepreneurs adapt scientific breakthroughs into affordable systems for households and businesses. Even in education and the arts, enterprises build platforms that widen access and connect communities. Students see that the same entrepreneurial framework – recognising a problem, designing a solution, and proving its value – applies whether you are launching a medical tool, a clean water system, or a digital service.





## Fieldwork Research

Students take their ideas into real settings to see how people respond. They might run quick surveys with peers to gather opinions on a prototype, set up a trial stand in a busy corridor, or test branding materials in outdoor spaces to see what captures attention. Posters can be displayed in different locations, with teams noting how many people stop to read them. Prototypes can be shown to small groups, with feedback recorded and discussed. This process teaches students that entrepreneurship is not only about the idea itself but also about how others engage with it, and how designs improve through repeated testing.





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COURSE OVERVIEW

## Future Global Leader

12-16yrs

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# At a glance

## Introduction to Future Global Leader

Future Global Leaders is a two-week programme for students who want to understand power, politics and influence in an international context. You'll study how governments work, how global organisations respond to crises, and how leaders build trust and authority. Alongside this, you'll develop practical skills in debate, negotiation and decision-making, preparing you to speak with clarity and lead with confidence. The course is about more than theory: it gives you the chance to test ideas, work with others, and start shaping the perspective of a future leader.

## Academic Content

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

## English Language Level

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





## About the programme

### Inspiring the Leaders of Tomorrow:

Our two-week Future Global Leaders course is tailored for young visionaries who aspire to influence the world through diplomacy, policy-making, and international cooperation. This programme offers an immersive experience in global affairs, where you will explore the challenges and opportunities of leadership in a diverse and interconnected world.

The course emphasises the development of a global mindset. You will delve into topics such as international relations, global economics, and human rights, gaining a comprehensive understanding of the forces that shape our world. Through engaging

debates, model United Nations sessions, and scenario-based simulations, you will learn to think critically about global issues and develop solutions that can drive positive change.

Cultural understanding and empathy are key components of this course. You will interact with peers from diverse backgrounds, gaining insights into different cultures and perspectives that will broaden your worldview. This cross-cultural collaboration is essential for developing the diplomatic and communication skills needed to lead in a Globalised society.

In addition to academic learning, the course includes leadership workshops where you will hone your ability to inspire, influence, and guide others. You will explore different leadership styles and strategies, learning how to adapt your approach to different contexts and challenges.

By the end of the programme, you will have the skills, knowledge, and confidence to step into leadership roles on the global stage. Join us at SBC this summer, and start your journey toward becoming a leader who can make a lasting impact in our increasingly interconnected world.





## Key Learning Outcomes

### 1.

#### Understanding Global Systems

Build a grounding in politics and international relations by studying how nations, organisations, and communities interact. You'll learn to recognise the structures that shape global decision-making and how they affect everyday lives.

### 2.

#### Developing Leadership Skills

Explore different models of leadership and practise them in simulations and group challenges. You'll gain experience in guiding discussions, making decisions under pressure, and learning how leaders inspire trust and cooperation.

### 3.

#### Practising Debate and Diplomacy

Learn how to present arguments with clarity and respond to opposing views. Through structured debates and model negotiations, you'll develop diplomacy skills that help you find common ground while standing firm on your ideas.

### 4.

#### Applying Knowledge to Real Issues

Take on case studies that reflect today's global challenges, from climate policy to international conflict. You'll connect theory with practice, sharpening your ability to propose realistic solutions and to think like a future changemaker.





## Subject Theme

### The Big Solutions Challenge

The Big Solutions Challenge gives students the chance to confront some of the greatest challenges facing our world today. Working in teams, you'll explore issues such as global health, climate change, peacebuilding, and the role of technology, thinking critically about what solutions might look like in the future. Each subject plays a part in shaping these answers: doctors lead health campaigns, scientists present breakthrough models, entrepreneurs pitch start-ups, leaders draft charters, and journalists bring stories to life. Over the course of the week, ideas are tested, refined, and brought into focus, preparing for a final showcase where projects are revealed to the whole community. The result is a live event of campaigns, inventions, and performances that demonstrates how young minds can approach the toughest questions with creativity and determination.





## Fundamental concepts

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Future Global Leaders examine how decisions shape the future of societies. Students consider the principles of governance, cooperation, and conflict resolution, focusing on how groups make rules and manage shared resources. The subject highlights the role of leadership in guiding communities and the importance of diplomacy in tackling issues that cross borders.

## Future Global Leaders Frameworks

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Projects follow a structure that mirrors international cooperation. Students work in teams to identify key challenges, debate priorities, and draft proposals. These are then combined into a shared charter with principles designed to guide humanity. The process encourages argument, compromise, and consensus-building, preparing students to take the stage with a united statement.

## Foundational Vocabulary

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Governance, diplomacy, negotiation, consensus, treaty, alliance, cooperation, conflict, resolution, policy, citizenship, representation, leadership, charter, principle.





## Time to Shine

Time to Shine gives every student the chance to practise public speaking in a structured setting. By researching, preparing and delivering a project to an audience, you build confidence in expressing ideas clearly and develop the ability to present with authority. It's an opportunity to refine communication skills that are valuable for academic study, professional life and beyond.

At the Big Solutions showcase, Future Global Leaders present the Global Charter they have created together. Each student reads a section aloud, as if addressing an international assembly. The performance demonstrates not only the rules they have agreed upon but also the process behind them: debate, compromise, and cooperation. The emphasis is on clarity, formality, and the shared responsibility of leadership.





## Time to Shine Project: Week One

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Form a council that debates priorities for the future of humanity. Each group represents a different perspective – environmental, economic, cultural, or social. Through discussion and negotiation, they agree on guiding rules that balance these interests.

## Time to Shine Project: Week Two

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Draft the Global Charter itself. The group writes three core principles that reflect their decisions on climate, peace, and cooperation. The final task is to present the charter in a formal announcement, echoing the style of international declarations.





# Course Objectives

Welcome to Future Global Leaders, a dynamic programme designed for students aged 13-16 who are passionate about making a difference in the world. At Headington School, we recognise the importance of developing leadership skills and global awareness in today's interconnected society. This course provides a foundation in international relations, leadership, and social impact, preparing you to become a thoughtful and effective leader on the global stage. Whether you're interested in politics, diplomacy, or social entrepreneurship, Future Global Leaders will equip you with the tools to lead with purpose and vision.

## Module 1

### Politics and Governance

This module introduces you to the foundations of political systems and the ways in which societies are governed. You'll study how parliaments, presidents, and prime ministers make decisions, and how those decisions impact people's lives. Using real-world case studies, you'll analyse the structures of government, compare political ideologies, and debate the effectiveness of different approaches to leadership. By the end, you'll have a clear sense of how power works and how individuals can influence political change.

## Module 2

### International Relations

Here you'll step into the world of diplomacy and global affairs. The module examines how nations work together, where they clash, and why cooperation is often the hardest but most important path. You'll look at current issues such as climate change, security, and migration, while also exploring the role of organisations like the UN and NATO. Activities include analysing treaties, simulating negotiations, and evaluating how leaders respond when global crises unfold. It's a chance to see how interconnected the world really is, and how decisions made in one place ripple across the globe.

## Module 3

### Leadership in Practice

Leadership isn't just about theory, it's about what you do when people are looking to you for direction. This module places you in practical scenarios where you'll need to guide others, communicate clearly, and make decisions under pressure. Through group challenges, debates, and public speaking exercises, you'll discover different styles of leadership and reflect on your own strengths. The goal is to help you step into leadership roles with confidence, empathy, and the ability to bring people together around a common purpose.





## Academic Difficulty

The projects are open to all and require no specialist knowledge. The challenge lies in working as part of a council: listening carefully, defending a viewpoint, and reaching compromise. It is demanding because students must think quickly, adapt to different perspectives, and express themselves clearly in front of others, but the tasks are structured so everyone can succeed.





## Case Study

### Bridging Theory and Real World Application

The skills of negotiation, debate, and leadership extend far beyond politics. In business, managers rely on them to settle disputes, build partnerships, and set long-term strategy. International organisations such as the UN, NATO, and the World Health Organization use them to coordinate responses to conflict, health crises, and environmental challenges. Humanitarian agencies apply the same principles when delivering aid in unstable regions, where cooperation and trust are essential. Even in schools, universities, and local communities, leadership theory is applied whenever groups must agree on shared goals. By drafting and presenting their Global Charter, students see how these skills shape decisions in settings ranging from the boardroom to the international stage.





## Fieldwork Research

Students step outside the classroom to practise leadership in open settings. Activities include guiding groups through challenges, coordinating teamwork games, or observing how peers respond to different approaches to leadership. These experiences help students recognise the difference between theory and the realities of managing people.





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Summer School

COURSE OVERVIEW

## Future Scientist

12-16yrs

📍 Headington



# At a glance

## Introduction to Future Scientist

Future Scientists is designed for students aged 12–16 who want to challenge their understanding of the natural world and take their curiosity further. Across biology, chemistry and physics, you'll carry out experiments, test ideas, and develop the skills that make science meaningful: observation, analysis, and clear communication. The programme goes beyond classroom learning. You'll investigate real-world questions, work with your peers on group projects, and practise presenting your results as scientists do. By combining theory with hands-on enquiry, Future Scientists equips you with both subject knowledge and the ability to think critically about how science shapes our lives.

## Academic Content

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

## English Language Level

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





## About the programme

Future Scientists at Headington is a two-week programme for students who want to explore science in greater depth and understand how it applies to the world around them. You'll study biology, chemistry and physics through practical experiments, guided research and clear explanation, building confidence in how to design, test and present investigations.

The course strengthens your ability to work like a scientist. You'll learn how to plan experiments with care, record data accurately, and evaluate results critically. Alongside this, you'll examine current developments in science and consider the ethical and social questions that arise from them, encouraging you to think about the wider impact of discovery and innovation.

Collaboration is central. You'll take part in group challenges that require shared problem-solving and discussion, reflecting how scientific progress relies on teamwork as much as individual insight. Working closely with tutors who bring both subject expertise and teaching experience, you'll be supported to stretch your understanding and approach science with curiosity and precision.

By the end of the programme, you'll have gained a stronger grasp of scientific principles and practical skills, along with the confidence to explore them further at school, university, and beyond.





## Key Learning Outcomes

### 1.

#### Understanding Core Scientific Principles

Develop a strong grasp of the key concepts in biology, chemistry and physics, while also seeing how these subjects connect to explain the natural world. You'll build knowledge that forms the foundation for more advanced study and gives you confidence in tackling new scientific ideas.

### 2.

#### Developing Practical Skills

Gain hands-on experience in designing and carrying out experiments, collecting data carefully and interpreting results with accuracy. These practical skills will help you approach problems methodically and understand how scientific knowledge is created in real settings.

### 3.

#### Thinking Critically About Science

Strengthen your ability to analyse evidence, weigh up competing arguments and reflect on the wider consequences of scientific discoveries. You'll learn to approach information with a questioning mindset, considering both the possibilities and the responsibilities that come with progress.

### 4.

#### Communicating Scientific Ideas

Practise explaining complex ideas in clear and engaging ways, whether through discussion, written work or visual presentation. By learning how to share your thinking effectively, you'll gain confidence in contributing to scientific conversations and working collaboratively with others.





## Subject Theme

### The Big Solutions Challenge

The Big Solutions Challenge gives students the chance to confront some of the greatest challenges facing our world today. Working in teams, you'll explore issues such as global health, climate change, peacebuilding, and the role of technology, thinking critically about what solutions might look like in the future. Each subject plays a part in shaping these answers: doctors lead health campaigns, scientists present breakthrough models, entrepreneurs pitch start-ups, leaders draft charters, and journalists bring stories to life. Over the course of the week, ideas are tested, refined, and brought into focus, preparing for a final showcase where projects are revealed to the whole community. The result is a live event of campaigns, inventions, and performances that demonstrates how young minds can approach the toughest questions with creativity and determination.





## Fundamental concepts

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Science sits at the centre of global challenges. From climate change to clean energy, breakthroughs depend on observation, experimentation, and problem-solving. Future Scientists at Headington explore these foundations by asking how scientific models can be used to imagine solutions for the world's biggest problems.

## Future Scientist Frameworks

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Projects follow the structure of scientific enquiry: identify a challenge, propose a hypothesis, test it through a model or experiment, and share the findings. Students work in teams to present their models at the Big Solutions showcase, where they must explain both how their design functions and why it matters.

## Foundational Vocabulary

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Hypothesis, model, experiment, variable, data, analysis, prototype, innovation, renewable, efficiency, sustainability, breakthrough, observation, demonstration.





## Time to Shine

Time to Shine gives every student the chance to practise public speaking in a structured setting. By researching, preparing and delivering a project to an audience, you build confidence in expressing ideas clearly and develop the ability to present with authority. It's an opportunity to refine communication skills that are valuable for academic study, professional life and beyond.

The Big Solutions Challenge ends with a live showcase where Future Scientists step forward to present their breakthrough models. Each team sets up their experiment and demonstrates it in action, showing how science can offer answers to some of the planet's toughest problems. The audience sees not just the finished model but also hears the reasoning behind it – the science, the choices, and the potential impact.





## Time to Shine Project: Week One

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Design and demonstrate a model that provides clean energy. This could be a small solar array, a wind turbine, or a new method of storing power. The model must show how energy is generated and used, with students explaining why their solution could help reduce global dependence on fossil fuels.

## Time to Shine Project: Week Two

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Create an experiment that addresses food or water scarcity. Examples include a hydroponic system for growing plants, a water filtration design, or a method of recycling resources. The focus is on making the science visible and practical, proving how an idea might scale up to meet global demand.





# Course Objectives

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Welcome to Future Scientists, an inspiring and hands-on science programme designed for inquisitive students aged 12-16. At Headington School, we are passionate about nurturing the next generation of scientists by making science both accessible and exciting. This course allows you to explore a variety of scientific disciplines, from biology and chemistry to physics and environmental science. Whether you're a budding biologist or a future physicist, Future Scientists will ignite your curiosity and help you discover the wonders of the scientific world.

## Module 1

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### Life and Living Systems

Explore the complexity of biology, from the structure of cells to the interactions within ecosystems. You'll investigate processes such as respiration, growth and adaptation, while also looking at how human activity affects the natural world. Practical lab work will give you experience in observation, data collection and analysis.

## Module 2

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### Matter, Reactions and Energy

Delve into the principles of chemistry and physics by examining what matter is made of and how it behaves. You'll test chemical reactions, study the properties of materials, and explore how energy is transferred and transformed. Each activity links abstract concepts to experiments you can see, measure and explain.

## Module 3

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### Earth, Space and Scientific Frontiers

Look beyond the laboratory to the systems that shape our planet and universe. From geological forces to the movements of planets and stars, you'll explore how science helps us understand both Earth and space. The module also introduces some of the latest discoveries in science, giving you a glimpse of where research is heading.





## Academic Difficulty

No specialist knowledge is needed. The tasks are challenging but approachable, designed to spark curiosity and creativity. Students are guided step by step, from forming a question to building a model and explaining the results. The real challenge lies in making the science clear and convincing for an audience that may not share the same background.





## Case Study

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### Bridging Theory and Real World Application

Scientific principles move directly into industry and global problem-solving. Energy companies rely on physics and engineering to design wind turbines, solar arrays, and new storage systems. Agriculture uses biology and chemistry to create high-yield crops, hydroponics, and methods for protecting soil. Water management combines environmental science with technology to filter and distribute clean supplies. By working on models linked to these areas, students see how the same theories they test in class are applied by professionals to address challenges of climate, food, and sustainability.





## Fieldwork Research

Work often takes place outside the classroom. Students record wind direction, test how materials respond to weather, or map spaces that could support food production. By linking direct observation with design, they see how science operates beyond the lab. Students run trials of their models, record results, and adjust their designs accordingly. Whether it is refining a water filter, altering the angle of a solar panel, or improving a growing system, the process mirrors the way scientists test and improve their work in real contexts.



FUTURE SCIENTIST

👤 12-16 YRS

💬 B1+

📅 2 WEEKS

📍 HEADINGTON