



Nº1

The UK's Number One  
Summer School

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.





## 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.



FUTURE DOCTOR

12-16 YRS

B1+

2 WEEKS

HEADINGTON