



Technology & Coding Course Key Facts

Location	Online (live, not pre-recorded)
Class size	Maximum 15 students
Ages	12-14
Fees	£995 (2 weeks)
Dates	June - August (see our booking form for the latest availability)
Timings	Live tutorials take place from 1-3pm UK time
Outcome	Certificate of Achievement and personalised Letter of Recommendation

Technology & Coding Course Outline

Class	Class Content and Lesson Objectives	Independent Study
1	Introduction to the course: Fundamentals of Technology <i>Students will be able to:</i> <ul style="list-style-type: none">● Get to know each other and understand what to expect from the course curriculum● Discuss types of technology and how we interact with technology	Read up on a future technology that interest you and bring some ideas to the next session Write a short (<500 words) answer to 'why do we need HTML?'
2	Coding: HTML <i>Students will be able to:</i> <ul style="list-style-type: none">● Outline the key features of HTML● Examine some example● Work through exercises to build skill and confidence	Extend the coding task started in the lesson by researching additional website features that can be created through HTML. Students will be encouraged to develop their skills independently in order to get the most out of



		CODEBREAK activities in Classes 5 and 9
3	<p>Electronics <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Introduce series and parallel circuits ● Look at fundamental equations of electricity and electrical systems ● Design a circuit 	Prepare a short individual/group presentation on an assigned/chosen system that uses electronics
4	<p>Maths for engineering <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Deliver presentations ● Investigate important mathematical principles ● Set an algorithm 	Complete a series of maths problems relating to what has been studied in the class (different levels to be set) [to be marked]
5	<p>Spreadsheets & CODEBREAK! <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Apply their knowledge of HTML, create code and problem solve 	<p>Students on the two week course can be encouraged to continue developing their HTML skills in advance of the CODEBREAK session in Class 9.</p> <p>They should complete pre-reading on the topic of technology of the future and be ready to give an informal presentation on the aspects of futuristic technology which interest them most.</p>
6	<p>What is the future of technology? <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Gain an insight into relevant developing areas of technology ● Discuss and use spreadsheets 	Research technologies that have created a positive impact on communities and prepare presentations for class 10
7	<p>Introduction to CSS: <i>Students will be able to:</i></p> <ul style="list-style-type: none"> ● Outline key features of CSS ● Examine examples of CSS ● Apply their knowledge in a coding task 	<p>Extend the coding task started in the lesson by researching additional website features that can be created through CSS.</p> <p>Be encouraged to continue developing their skills with CSS in advance of the</p>



		upcoming CODEBREAK session
8	Discover rockets! <i>Students will be able to:</i> <ul style="list-style-type: none">● Explain key features of rockets● Design a rocket brief, and be able to evaluate this	Complete a short 'rocket manual' booklet for their design [to be marked].
9	CODEBREAK! <i>Students will be able to:</i> <ul style="list-style-type: none">● Create a website, using HTML and/or CSS coding principles● Present their websites and ideas	Compete with each other to improve the aesthetic design and functionality of their website – websites to be judged in the next lesson and winner awarded a small prize
10	Technology for Good <i>Students will be able to:</i> <ul style="list-style-type: none">● Understand how technology can be used to create positive impacts● Present case studies of innovative technologies that have had a positive change on communities	N/A

Next Steps

We'd love to welcome you to our Technology & Coding online course! In order to secure your place, the next step is to apply [by clicking here](#).

If you have any questions, please don't hesitate to contact Stephanie on 0044 1865 522 166, or by email on hello@oxfordscholastica.com.