



Oxford  
Scholastica  
ACADEMY

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# DISCOVER TECHNOLOGY ACADEMY



## ***READING LIST***

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# WELCOME

to the Oxford Scholastica

## Discover Technology Academy!

We're all looking forward to meeting you and delving into the world of technology together!

## Preparing for your classes

Many of our students ask us how they can make the most out of their courses by doing some pre-course preparation, so we've given you some ideas here. Don't worry though – we don't expect you to do all this! We know how busy you are, and the preparation is optional. But if you'd like to make a head start, here are our suggestions...



## Activities to do

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Pick a figure in Computer Science or Engineering who interests you (past or present), and do some research into their story. How did they get into their field and what were their contributions?

Think of some tasks or problems which you'd like to do or solve. Make some notes on either an engineering or computer science solution to the problem, particularly noting the practical aspects of implementing your solution. We'll be discussing these problems in our first class, so bring your ideas along!

# RESOURCES TO EXPLORE

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If you would like to get to grips with some of the topics we will be covering during the Academy, the following links will be of interest.

**1.** Animagraffs.com is a fantastic website that is full of animated explanations of everyday engineering. We'd recommend looking at how self-driving and electric cars work.

<https://animagraffs.com/>

**2.** If you'd like to have a go at building your own website, Codecademy offers the opportunity for you to build one.

<https://www.codecademy.com/learn/make-a-website>



**3.** UCAS provide a great opportunity to explore jobs and careers you are interested in. We would recommend reading the UCAS guide to design technology careers. This gives some examples of potential careers and guidance for required skills and qualifications for the job.

<https://www.ucas.com/explore/career-list>

**4.** Check out Richard Hammond's Engineering Connections. This programme is an engaging look at challenges that engineers have overcome in order to complete some of the most ambitious projects in modern engineering.

Most episodes are available in full on YouTube, and the Airbus A380 is a good one to watch!

<https://www.youtube.com/watch?v=0GYMxOwkImA>





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**If you'd like any more resources, please feel free to ask us!**

**To explore a full course outline of what you will be studying, please see here.**

**<https://www.oxfordscholastica.com/oxford-summer-courses/technology-summer-school/discover/#outline>**

**We hope you're as excited as we are to start the course and join us in Oxford!**

