

**LEVEL 3 SCIENCE**

**ABOUT THE SCHOOL**

The School of Applied Science prepares future scientists, technicians and researchers by allowing them to develop their theoretical and practical knowledge in various branches of science. Students can conduct experiments and gain practical skills in cutting-edge laboratories.

# CONTENTS

Meet the team Course introduction Reading list Listening list

Watch list Get involved



**Meet the team**

**Ryan Grant**

Head of Applied Science <https://drive.google.com/open?id=1se_RI7bA5Y6_NdaZqndJOgn54YCCjtHd>

**Andy West**

Deputy Head of Applied Science [Andy Intro](https://drive.google.com/open?id=1z4sq52QFdeSgW2p1UNhJPYkU9MbHEBOS)

**Nikki Cookson** Programme Manager Nikki Cookson

**Emily Homer** Programme Manager [Emily Homer](https://drive.google.com/file/d/1SStcqE4YoEWEi9TfZqHdSgT0RvI4Jn9w/view?usp=sharing)

**Harrison Garside**

Course Leader

**Wendy Goodall** Coaching Tutor [Wendy Goodall](https://drive.google.com/open?id=1hFuPt9q8bl1he6VucGkkkEtXTTtJcWCt)

**Dawn Major**

Study Support Coach [Dawn Major](https://drive.google.com/open?id=1gIMUkHwUDVDVJHlZUQlY2NoxN3hsIQXu)

**Lynn Westcott**

Teacher

Lynn Westcott

**Mohammed Zeeshan**

Teacher

[Mohammed Zeeshan](https://drive.google.com/open?id=1Ka7iSyg0giZNky75PiAvzHW2yKsU97d4)

**Howard Newman**

Teacher

**Tahira Biba** Teacher [Tahira Bibi](https://drive.google.com/open?id=1r2ESQx7OxmPSbdjDe398G0IM1lrxHFnm)

**George Trifunovic**

Data and attendance coordinator



# Level 3 Access Science

|  |  |  |
| --- | --- | --- |
| **Course Introduction** | **Description** | **Links** |
| **Title** | Access to Science and Engineering | [L3 Access Video](https://drive.google.com/open?id=17pFfw08Q2XtbN0vmRfOOz4wjzELsVOid) |
| **Units** |  |  |
| **Progression / UCAS** | UCAS careers advice | [Ucas Careers Advic](https://www.ucas.com/careers-advice)e  |
| **Work Experience** |  |  |
| **Study Skills** | Study skills slides | [Study Skills Slide](https://drive.google.com/open?id=17iShn_Zq5028302nO1zJ9RFRrosY_skNBLKhKrMQ3K4)s  |

**Read**

|  |  |  |
| --- | --- | --- |
| **Title** | **Description** | **Link** |
| National Careers Advice | National Careers Advice | <https://nationalcareers.service.gov.uk/> |
| A Short History of Everything by Bill Bryson | A general book about science | [A Short History of Everything by Bill Bryson](https://www.amazon.co.uk/dp/B0035OC7VI/ref%3Ddp-kindle-redirect?_encoding=UTF8&btkr=1) |
| Science News | The latest news from all areas of science | Science news magazine | [Science News | The latest news from all areas of science](https://www.sciencenews.org/) |
| Science News for Students | News from all fields of science for readers of any age | Science news specifically aimed at students | [Science News for Students | News from all fields of scienc](https://www.sciencenewsforstudents.org/)e [for readers of any age](https://www.sciencenewsforstudents.org/) |

**Listen**

|  |  |  |
| --- | --- | --- |
| **Title** | **Description** | **Link** |
| Marcus Burton, Careers Adviser, National Careers Service | National Careers Service (19+ learners) - o introductory video | [https://docs.google.com/document/d/ 1jiSV9qYZkLT4evupm5jc9L\_yIlkxZv\_](https://docs.google.com/document/d/1jiSV9qYZkLT4evupm5jc9L_yIlkxZv_iTnmLhsda3Sg/edit?usp=sharing)iTnmLhsda3S g/edit?usp=sharing |
| BBC Radio 4 - The Infinite Monkey Cage - downloads | Lots of science-based podcasts that cover a wide range of topics. | [BBC Radio 4 - The Infinite Monkey Cag](https://www.bbc.co.uk/programmes/b00snr0w/episodes/downloads)e - Downloads |
| Science podcasts | Podcasts from the website Science. | [Science Podcasts](https://www.sciencemag.org/podcasts) |
| Nature podcast | Science podcasts. | [Nature Podcast](https://www.nature.com/nature/articles?type=nature-podcast) |

****

**Watch**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Title** | **Description** | **Link** |
| Virtual Climb | Something Different! - virtual climb - can you handle [it?](https://www.youtube.com/watch?v=FRGF77fBAeM&t=318s) | [Virtual Climbing Vide](https://www.youtube.com/watch?v=FRGF77fBAeM&t=318s)o  |
| To scale: The solar system | An award-winning science demonstration in which a group of scientists go to the desert to show just how much space you need to make a scale model of the solar system. | [https://www.youtube.com/ watch?v=zR3Igc3Rhfg](https://drive.google.com/open?id=1se_RI7bA5Y6_NdaZqndJOgn54YCCjtHd) |
| National Geographic 360 | YouTube videos to explore places in 360. Use your phone or mouse to look around. | [https://www.youtube.com/ playlist? list=PLivjPDlt6ApRq22sn0 82ZCC9893XtV8xc](https://www.youtube.com/%20playlist? list=PLivjPDlt6ApRq22sn0 82ZCC9893XtV8xc) |
| Kurzgesagt – In a Nutshell | [Youtube videos that make science more beautiful and interesting.](https://www.youtube.com/%20user/Kurzgesagt/about) | https://www.youtube.com/ user/Kurzgesagt/about[https://www.youtube.com/ user/Kurzgesagt/about](https://www.youtube.com/%20user/Kurzgesagt/about) |
| CrashCourse (lots of videos) | Lots of YouTube videos, similar to above but with different curriculum areas and subjects. | [CrashCourse](https://www.youtube.com/user/crashcourse) |
| SciShow | Lots of YouTube videos, similar to above but with different curriculum areas and subjects. | [SciShow](https://www.youtube.com/user/scishow) |

**Get Involved**

|  |  |  |
| --- | --- | --- |
| **Title** | **Description** | **Link** |
| Melting ice experiment | Try this simple experiment at home. Take two ice cubes, place one on a plastic surface and one on a metal surface. Feel the surfaces before you begin and predict which surface will melt the ice cube the fastest. You may be surprised. | [https://drive.google.com/open? id=1gTo0DEnnDQL4qec9QWwyKeXL2APT- ncM2n1-kgBUlOI](https://drive.google.com/open?id=1gTo0DEnnDQL4qec9QWwyKeXL2APT-ncM2n1-kgBUlOI) |
| How to make a pinhole camera for viewing the solar eclipse | Viewing solar eclipse events are a great family activity with one major precaution: never stare directly at the sun. Staring directly at the sun can cause damage to your eyes. The perfect way to safely view a solar eclipse is through a pinhole camera. This is a quick project you can make in less than 10 minutes with materials from around the house | [https://docs.google.com/document/d/ 16JTMTELL3GcKXKyQ9RXyC\_7RbanjoCDFJYtD](https://docs.google.com/document/d/16JTMTELL3GcKXKyQ9RXyC_7RbanjoCDFJYtDAkA3yak/edit)[AkA3yak/edit](https://docs.google.com/document/d/16JTMTELL3GcKXKyQ9RXyC_7RbanjoCDFJYtDAkA3yak/edit) |
| Marvel superhero quiz | Take the quiz to discover your engineering superpower. Then read on to learn about real life engineering heroes. | [https://docs.google.com/document/d/ 1FLkXSSQzqY3HCvVUI9PB9wK\_GnxFJdJ4oc9q0 bXAaCA/edit](https://docs.google.com/document/d/1FLkXSSQzqY3HCvVUI9PB9wK_GnxFJdJ4oc9q0bXAaCA/edit) |
| Interactives . The Rock Cycle. Introduction | A short online course that teaches you about the rock cycle, rock types and processes and has a short quiz/test at the end. | [Interactives . The The Rock Cycle](https://www.learner.org/wp-content/interactive/rockcycle/index.html) . Introduction |
| Science competitions | Competitions that you can join from your home. | [Science competitions](https://www.see-science.co.uk/whats-on/competitions/) |
| Science puzzles | A puzzle maker that can be adapted to show subject specific terms or facts about the college. | [Welcome to Discovery Education's Puzzlemaker! Create crossword puzzles, word searches, mazes, and other puzzles for your classroom today!](http://puzzlemaker.discoveryeducation.com/) |