

**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](http://drive.google.com/open?id=1z4sq52QFdeSgW2p1UNhJPYkU9MbHEBOS)

**Nikki Cookson** Programme Manager [Nikki Cookson](https://drive.google.com/file/d/1brws1Cc9eNrtophPWgsO7qxSumdT5cgM/view?usp=sharing)

**Emily Homer** Programme Manager Emily Homer

**Harrison Garside**

Course Leader

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

**Dawn Major**

Study Support Coach Dawn Major

**Lynn Westcott**

Teacher

[Lynn Westcott](https://drive.google.com/open?id=1niaHBLVKZFY1-AdckfAXhefLCoEjbloh)

**Mohammed Zeeshan** Teacher Mohammed Zeeshan

**Howard Newman**

Teacher

**Tahira Biba** Teacher Tahira Bibi

**George Trifunovic**

Data and attendance coordinator



# Level 3 Science

|  |  |  |
| --- | --- | --- |
| **Course Introduction** | **Description** | **Links** |
| **Title** | Level 3 Extended Diploma in Applied Science - video | [L3 Extended Diploma Video](https://drive.google.com/open?id=1PIIKMYen9vf982jlwnterGAVW4am8h20) |
|  | Level 3 Extended Diploma in Applied Science - slides | [L3 Extended Diploma Slides](https://drive.google.com/open?id=1bhwXdy35u8NUMoJg1h3yom2BJCY11kiOM2pRaOVunu0) |
|  | Level 3 Foundation Diploma in Applied Science - video | [L3 Foundation Diploma Video](https://drive.google.com/open?id=1gIdvFjrf9TRire7-X6KZj4szxAo5m4OO) |
|  | Level 3 Foundation Diploma in Applied Science - slides | [L3 Foundation Diploma Slides](https://drive.google.com/open?id=1uEh2xZ49QagrbE_eX8xBXMguu07lTYKCJD2bK9HBU-E) |
| **Progression / UCAS** | UCAS careers advice | [Ucas Careers Advice](https://www.ucas.com/careers-advice) |
| **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 science](https://www.sciencenewsforstudents.org/) for readers of any age |

**Listen**

|  |  |  |
| --- | --- | --- |
| **Title** | **Description** | **Link** |
| Marcus Burton, Careers Adviser, National Careers Service | National Careers Service (19+ learners) - introductory video | [https://docs.google.com/document/d/](https://docs.google.com/document/d/1jiSV9qYZkLT4evupm5jc9L_yIlkxZv_iTnmLhsda3Sg/edit?usp=sharing) [1jiSV9qYZkLT4evupm5jc9L\_yIlkxZv\_iTnmLhsda3](https://docs.google.com/document/d/1jiSV9qYZkLT4evupm5jc9L_yIlkxZv_iTnmLhsda3Sg/edit?usp=sharing) Sg/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 Cage -](https://www.bbc.co.uk/programmes/b00snr0w/episodes/downloads) 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? | [Virtual Climbing Video](https://www.youtube.com/watch?v=FRGF77fBAeM&t=318s) |
| 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?](https://www.youtube.com/watch?v=zR3Igc3Rhfg)  v[v==zzRR33IIggcc33RRhhffgg](https://www.youtube.com/watch?v=zR3Igc3Rhfg) |
| National Geographic 360 | YouTube videos to explore places in 360. Use your phone or mouse to look around! | [https://www.youtube.com/playlist?](https://www.youtube.com/playlist?list=PLivjPDlt6ApRq22sn082ZCC9893XtV8xc) list=PLivjPDlt6ApRq22sn082ZCC9893XtV8x c |
| Kurzgesagt – In a Nutshell | YouTube videos that make science more beautiful and interesting. | [https://www.youtube.com/user/Kurzgesagt/](https://www.youtube.com/user/Kurzgesagt/about) 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?](https://drive.google.com/open?id=1gTo0DEnnDQL4qec9QWwyKeXL2APT-ncM2n1-kgBUlOI) [id=1gTo0DEnnDQL4qec9QWwyKeXL2APT-](https://drive.google.com/open?id=1gTo0DEnnDQL4qec9QWwyKeXL2APT-ncM2n1-kgBUlOI) 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_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_GnxFJdJ4oc 9q0bXAaCA/edit> |
| Interactives The Rock Cycle Introduction | A short online course that teaches you about the rock cycle, rock types and processes, with a short quiz/test at the end. | [Interactives . The The Rock Cycle .](https://www.learner.org/wp-content/interactive/rockcycle/index.html) [Introduction](https://www.learner.org/wp-content/interactive/rockcycle/index.html) |
| Science competition s | 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](https://www.learner.org/wp-content/interactive/rockcycle/index.html) [Puzzlemaker! Create crossword puzzles, word](https://www.learner.org/wp-content/interactive/rockcycle/index.html) [searches, mazes, and other puzzles for your](https://www.learner.org/wp-content/interactive/rockcycle/index.html) classroom today! |