

# Science

What Challenge looks like in the classroom...

KS3: GCSE links. Independent critical thinking, choices in practical investigations (what variable could/should we change?), Summer term research tasks (zoo project, space projects, bee modules).

KS4: A level linked extension/alternative tasks across the Sci curriculum. Choice of activities (personalised learning routes).

A level: Further reading challenges, y12 challenged to make synoptic links to y13; y13 to degree level. Stretch and challenge questions in class work and question papers.

'Science capital' links made in all/most lessons (how is science used in the 'real world').

## Extra curricular opportunities...

- KS3 Science club
- Gardening Club
- Space projects (triple sci only module)
- Links with local University and The National Space Centre
- Organised STEM activities
- Form time activities in British Science Week.
- Opportunities to take part in STEM competitions with external organisations.
- Healthcare Heroes group to build skills and exposure to Healthcare careers

Useful links/resources: Seneca (KS3); Tassomai (KS4). <https://stem.org/>

TED talks <https://www.ted.com/talks> Science Podcasts:  
<https://www.bbc.co.uk/podcasts/category/scienceandnature>

# Maths

What Challenge looks like in the classroom...

Pupils are encouraged to apply their skills to 'real life' maths questions, through the use of the White Rose exemplar questions and challenges on the Nrich website.

Problem solving is a key part of lessons. Knowledge organisers allow pupils to become more confident and independent with their work, with low stakes quizzing. WAGOLLS used to promote structured responses to problems.

Pupils in GCSE set 1 are encouraged to study for the Further Maths GCSE alongside the standard qualification. This is a great opportunity to really push yourself and provides an excellent insight into A Level.

Useful links/resources:

[www.mymaths.co.uk](http://www.mymaths.co.uk)

[www.corbettmaths.com](http://www.corbettmaths.com)

[www.onmaths.com](http://www.onmaths.com)

<https://nrich.maths.org/>

[www.justmaths.co.uk](http://www.justmaths.co.uk)

<https://mathsaurus.com/>

<https://parallel.org.uk/>

**Extra curricular opportunities...**

- UKMT Junior and Senior individual maths challenges
- UKMT Team maths challenge
- Pi day activities
- Support for post-16 students looking to study maths at university

# English

What Challenge looks like in the classroom...

the English curriculum is built around challenge and high expectations in every year:

- expecting well developed responses to questions
- bouncing questioning around the room
- extension activities to further develop ideas and understanding
- GCSE style questioning at KS3
- A level style questioning at KS4
- reading literary/scholarly articles
- studying theories of literary critics
- suggestions of further reading out of lesson time
- directing to Youtube or other platform to reinforce/extend learning
- high quality fiction and non-fiction texts
- encouraging personalised learning and exploration of own interests

## Extra curricular opportunities...

- theatre trips
- Poetry Live at KS4
- book clubs through the campus library
- reading challenges
- writing competitions
- visits to literary heritage sites and other places of relevance to our curriculum

Useful links/resources:

<https://www.ted.com/talks>; <https://www.bbc.co.uk/sounds>; <https://www.bbc.co.uk/bbcfour>

<https://www.youtube.com/>; <https://lithub.com/>; <https://electricliterature.com/>;

<https://www.theguardian.com/uk-news>; <https://www.bbc.co.uk/bitesize>; <https://senecalearning.com/en-GB/>;

(BGLC is not responsible for the changing nature/content of these websites)

# BCI

What Challenge looks like in the classroom...

**KS3 Computing** - Challenging curriculum with foundation topics and themes which will be used at GCSE and A Level should Computer Science and/or ICT be chosen. Practical investigations and problem solving tasks, which require problem solving skills. Extension tasks set in lessons as well as targeted questioning. Extended feedback.

**KS4** - Expectation of detailed and extended responses, as well as an appreciation of what is going on in the real world in relation to the subject (Business, CS, ICT). Stretch and challenge activities set throughout the lesson, including as part of the Do Now retrieval practice tasks. Use of WAGOLLS in lessons to show model answers and how to secure the highest mark boundaries. Extended feedback.

**KS5** - Expectation of detailed and extended responses. Differentiated questions. Extension tasks. News articles posted on Google Classrooms. Expectation of the ability to critique certain models by key theorists. Personalised learning routes/choices in lessons. Extended feedback.

## Extra curricular opportunities...

- Young Enterprise (KS4 & KS5),
- Coding Club (TBC in 2021>),
- Faculty Trips (TBC in 2021>),
- External speakers,
- External competitions,
- Extra support sessions to help students with coursework, intervention and revision.

Useful links/resources: Knowledge Organisers for all key stages, articles and useful resources regularly posted in Google Classrooms, BBC Bitesize for GCSE: <https://www.bbc.co.uk/bitesize/examspecs/z98snbk>, Tutor2u for A-level: <https://www.tutor2u.net/business/topics>, BBC News, The Guardian <https://www.theguardian.com/uk/business> YouTube channels TEDTalks Business <https://www.ted.com/talks?sort=newest&topics%5B%5D=Business> and PiXL Stretch.

# ADT

## What Challenge looks like in the classroom...

KS3 - A challenging curriculum with a direct flight path to GCSE with GCSE style projects and skill building from year 7 (using exam board criteria). Challenge activities throughout the lesson which push quality and detail of skills. Questioning to produce high level thinking and reflection. Retrieval of learning from the longer term memory. Focus on skills and quality work produced, development of skills. Challenge can also take place in a 1:1 discussion due to individual outcomes and skills demonstrated by students.

KS4 - A challenging curriculum with a direct flight path to A-Level. Challenge activities throughout the lesson which push quality and detail of skills. Questioning to produce high level thinking and reflection. Retrieval of learning from the longer term memory. Topics which encourage a deeper level of thinking such as social and environmental issues. The use of Knowledge Organisers support students as well as challenge them to work independently. Focus on skills and quality work produced, development of skills. Challenge can also take place in a 1:1 discussion due to individual outcomes and skills demonstrated by students. Challenge based on outcomes and complexity.

KS5- A curriculum based on stretch and challenge. A culture of independent learning and thought. Students are encouraged to organise visits to broaden their knowledge of area themes that they are studying i.e Museums looking at Fashion. This supports their personal project units. Students are challenged technically with skills and processes across the different areas as well as the language that they use to interpret artist pieces and critically reflect on their own development and finals.

## Extra curricular opportunities...

- Extra Support Sessions to help students with coursework and revision.
- ADT Competitions posted and promoted
- External Competitions posted and promoted.
- External Exhibition
- Mosaic club scheduled to start in academic year 2023-2024
- Photography club scheduled to start in academic year 2023-2024
- ADT Enrichment Google Classroom with additional tasks for students to experiment with
- *\*Please note that other enrichment activities will be planned for later in the year and these will be advertised at later dates*

## Useful links/resources:

Knowledge Organisers, Google Classrooms, Exemplar material handout from staff, checklists, artist websites, art museum websites, Pinterest, YouTube tutorial channels, Books in the Library/LRC

# PE

## What Challenge looks like in the classroom...

### Core PE (KS3 and 4)

Core PE focusses on skill and tactical development. Those with more experience within each activity will be challenged to complete and perfect the advanced skills and or tactic associated with each activity.

### GCSE / CNAT Sport (KS4)

Within our option courses, as well as the practical challenge, there is also a heavy theoretical aspect of challenge applied.

Students are pushed to complete challenging questions to stretch and deepen their understanding of the content, developing their holistic view of the topic. This wider understanding directly aids in their ability to complete extended written answers, allowing them to access marks very few manage to obtain. Within lessons questions through down from a level 3 course are often used as are a range of strategies to stretch the level of understanding and progress being made.

### A-Level (KS5)

There is a high expectation for students to complete work independently. Lesson content is often shared before and/or after lessons to enable students to continue to research around the topics, again widening their overall understanding and knowledge of the topics. Students are expected to arrive to lessons, with a basic understanding of the topic, prior to the lesson. Open ended questions are used to broaden processing and application of lesson content.

## Extra curricular opportunities...

- There will be a range of school clubs offered throughout the year. The majority of these will all take place after school, however some may take place at lunch or during lesson time.

### Activities include:

Football (Boys and Girls)

Girls Futsal

Netball

Basketball

Badminton

Athletics

Rugby

Cricket

## Useful links/resources:

Seneca - <https://senecalearning.com/en-GB/>

The Everlearner - <https://theeverlearner.com>

<https://www.bbc.co.uk/bitesize/examspecs/ztrcg82>

GCSE PE Padlet - <https://padlet.com/msharpe20/ykikhfgr4w5p0cd7>

# Languages

What Challenge looks like in the classroom...

KS3 - A challenging curriculum with a direct flight path to GCSE with GCSE style assessments from year 7. Challenge activities throughout the lesson. Questioning to produce high level thinking and reflection. Retrieval of learning from the longer term memory.

KS4 - A challenging curriculum with a direct flight path to A-Level. Challenge activities throughout the lesson. Questioning to produce high level thinking and reflection. Retrieval of learning from the longer term memory. Topics which encourage a deeper level of thinking such as social and environmental issues. The use of PIXL independent resources to challenge the most able.

KS5- A curriculum based on stretch and challenge. A culture of independent learning and thought. Students are encouraged to read and study around the topics to make sure they have a deep understanding of the country/culture of study and are able to give opinions on more mature current issues.

Useful links/resources:

KS3/4 Quizlet username BrookvaleGrobyMFL password: KnowledgeOrganiser

[Languages Online](#) for practising grammar and vocabulary at each Key Stage

[The Language Gym](#) - This is accessible to all of KS4/5 -students need to ask their individual teachers for login information.

All HPA students at KS4/5 should regularly read/listen to French/German/Spanish news/radio. They can also access a great deal of film/programmes in the target language on platforms such as Netflix. Ask teachers for details.

## Extra curricular opportunities...

- Residential trips abroad across all Key Stages (post covid restrictions)
- Spelling Bee year 7
- Art competition year 7
- Activities in form time for European Day of Languages each September
- Foreign language novels available in the library

# PA

What Challenge looks like in the classroom...

KS3 - Stretch and challenge tasks as standard in lesson activities.  
Performance challenges. Additional tasks set via google classroom linked to KOs.

Year 9 options prepare for GCSE work - Music and Drama. GCSE style tasks

KS4 - Stretch and challenge tasks as standard in lesson activities.  
Individual target setting. High levels of independent learning  
Extensive use of google drive for individual marking/feedback/sharing practical work.

KS5 - Stretch and challenge tasks as standard in lesson activities.  
Individual target setting. High levels of independent learning  
Extensive use of google drive for individual marking/feedback/sharing practical work.  
Individual unit choices according to skills.

## **Extra curricular opportunities...**

KS3 - Whole School Annual Show, Christmas Concert, Guitar, ukulele and drama clubs, London Theatre Residential, peripatetic music lessons available, signposting to outside theatre groups, bands and orchestras, Youth Finds a Voice  
KS4 - As above plus Groby Youth Theatre Tour, theatre trips.

KS5 - As above all plus Post 16 Show

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Useful links/resources: Leicestershire arts, Leicestershire Music Service, Young Curve Theatre, Concordia Youth Theatre.



# Humanities

What Challenge looks like in the classroom...

**KS3** - Targeted and developed questioning to probe further. Independent critical thinking tasks. GCSE Links. Problem solving. Responding to different situations and providing thoughtful solutions. Higher Order Historical Skills. Extended writing opportunities. Use of WAGOLL's. Use of scholarship reading (History) to develop wider reading.

**KS4** - Targeted questioning. Higher level skills developed. Skills linked to further education and A-Level. PLCs to track knowledge and identify areas of development. Use of WAGOLL's, Scaffolded answers to model how to get into the top band. Use of A Level materials to deepen understanding and to encourage wider reading.

**A-Level** - Targeted questioning. Wider thinking 'outside the box'. Skills linked to Higher Education/ the workplace. PLCs to track knowledge and identify areas of development. Independent learning skills. Providing the tools for learning/ facilitating. Creating field enquiries.

## Extra curricular opportunities...

- Form time activities - Black History Month / LGBTQ / International Womens Day assemblies.
- Careers event
- Intervention/ revision sessions
- Field trips - religious buildings, Iceland

Useful links/resources:

[Story, Source, Scholarship](#) (History KS3 and 4)

[Meanwhile Elsewhere](#) (History KS3)

We also have a recommended reading list within the department to help further students' literacy skills.

Knowledge organiser - shared drive (all students have access).