



**Great Barr Academy**

**Year 8 Subject Topics**

***Revision List***  
***2018/19***



## English

### Autumn Term: Equality

- Analysing Non-Fiction: Pupils will study a range of extracts linked to the theme of equality. Pupils will analyse and compare these non-fiction extracts, and the viewpoints expressed by writers.
- Shakespeare: Pupils will read a selected play and explore Shakespeare's use of language, dramatic techniques and characterisation. Pupils will either read *Othello* or *The Tempest*, focussing on the theme of equality.

### Spring Term: Seminal World Literature

- Analysing Fiction: As we analyse a seminal world literature text, pupils will analyse the writer's linguistic and structural choices. Pupils may study one of the following texts: *The Lion, the Witch and the Wardrobe*; *Grimm's Fairy Tales*, *The Jungle Book* etc.
- Creative Writing: Pupils will then use their selected text as a stimulus to create a range of descriptive and narrative pieces of their own, applying their understanding of linguistic and structural devices to their own work.

### Summer Term: The Modern World

- Modern Drama: Pupils will focus on a range of reading skills required to interpret and analyse a modern play. Pupils will explore the different choices made by the playwright such as linguistic, dramatic and structural choices. Pupils may explore one of the following texts: *Jekyll and Hyde*, *The Demon Headmaster*, *Johnny and the Dead* etc.
- Dragons' Den: Pupils will learn the skills required to create a persuasive pitch for an original idea, company and/or product to be presented to their class. Students will also develop spoken language skills, considering how language may be used to meet the needs of an audience.

### **Sources of additional information to support your learning:**

- BBC Bitesize – KS3 – English - <https://www.bbc.com/bitesize/subjects/z3kw2hv>
- Using school library facilities
- British library - <https://www.bl.uk/>
- Children Newspaper First News, articles can be used to practise analysing non-fiction - <https://www.firstnews.co.uk/>
- Shakespeare translations in to modern day English - <https://www.sparknotes.com/shakespeare/>
- Watch clips from Dragons' Den at look at how entrepreneurs sell their product. These are widely available on YouTube.

## Mathematics

### **Foundation**

Autumn Term:

- Adding and subtracting with large numbers
- Negative numbers
- Ratio
- Volume and surface area of cubes and cuboids
- Substitution
- Pythagoras' Theorem
- Area circumference of circles
- Plans and Elevations
- Volume and surface area of prisms
- Real life graphs

Spring Term:

- Bar Charts
- Simplifying expressions
- Solving equations
- Using Brackets
- Decimal calculations
- Angles
- LCM and HCF

Summer Term:

- Sequences
- Fractions and Percentages
- Probability

### **Intermediate**

Autumn Term:

- Powers, roots and brackets
- Substitution into Expressions
- Multiples and Factors
- Area and Volume
- Factorising
- Solving Equations
- Real life Graphs

Spring Term:

- Ratio and Proportion with Decimals
- Angle proofs and geometric problems

- Interior and Exterior angles
- Operations with fractions
- Fractions, Decimals and Reciprocals

Summer Term:

- Straight line graphs
- Percentages
- Statistics (Charts, tables and graphs)

## **Higher**

Autumn Term:

- Laws of Indices
- Prime factor decomposition
- Expand and simplify expressions
- Solve Equations
- Substitution
- Pythagoras' Theorem
- Area circumference of circles
- Plans and Elevations
- Volume and surface area of prisms
- Real life graphs

Spring Term:

- Transformations
- Recurring decimals and percentages
- Constructions and Loci

Summer Term:

- Probability
- Bearings, maps and scales
- Congruent and similar shapes
- Straight line graphs

### **Sources of additional information to support your learning:**

Vle.mathswatch.co.uk

Maths Club – Mondays and Thursdays

8:45 am – 9:15 am

3:15 pm – 4:00 pm

Autumn Term:

- Working Scientifically
- Health and Lifestyle
- The Periodic Table
- Energy
- Separation Techniques

Spring Term:

- Motion and Pressure
- The Earth
- Ecosystem Processes
- Metals and Acids

Summer Term:

- Revision

**Sources of additional information to support your learning:**

<https://www.bbc.com/bitesize/subjects/zng4d2p>  
[www.kerboodle.com](http://www.kerboodle.com)

**Computer Science**

Autumn Term:

- Networks and Communication 2
  - IP Address
  - DNS
  - Packet Switching
  - HTML
  - CSS

Spring Term:

- Algorithm and Processing 2
  - If Statements
  - Else Statements
  - Pseudocode
  - Flow Charts
  - Variables

Summer Term:

- Sim City – Practical Project

- 3D Design
- 3D Drawing

**Sources of additional information to support your learning:**

<https://www.bbc.com/bitesize/subjects/zvc9q6f>

<https://www.bbc.com/bitesize/subjects/z8mtsbk>

<http://teach-ict.com/index.html>

**History**

Autumn Term: Britain: Empire and Immigration

- The Slave Trade
- The British Empire
- The Windrush and immigration to Britain
- Malcolm X in Smethwick

Spring Term: World War I

- The causes of WWI
- Trench conditions and warfare
- Case Study – The Battle of the Somme
- Why did people volunteer to fight in WWI?
- The impact of WWI

Summer Term: Nazi Germany

- Why did people vote for the Nazis?
- The Hitler Youth and Nazi Education
- Life for Nazi Women
- How the Nazis treated people with disabilities
- Treatment of Jews and the Holocaust

**Sources of additional information to support your learning:**

[www.bbc.co.uk/schools/0/ww1/](http://www.bbc.co.uk/schools/0/ww1/) - Good for WWI

[www.nationalarchives.gov.uk/education/](http://www.nationalarchives.gov.uk/education/) - Great primary sources for High Ability students

[www.bbc.com/bitesize/subjects/zk26n39](http://www.bbc.com/bitesize/subjects/zk26n39) - covers all topics

[www.historynet.com](http://www.historynet.com) – covers all topics

<http://spartacus-educational.com/> - good for all topics

[www.iwm.org.uk/history/voices-of-the-first-world-war-into-battle](http://www.iwm.org.uk/history/voices-of-the-first-world-war-into-battle) - good for first-hand accounts of trench warfare

## Geography

Autumn Term:

- Africa- what are the physical and human processes in Africa? The climates of Africa. The population of Africa.
- Football Across the World- how does football affect us? Football and map skills.

Spring Term:

- Rivers and coasts- how do physical processes shape and change the landscape? What landforms are created?
- Energy and resources- How is energy created? What is the energy deficit? How can we make energy more sustainable?

Summer Term:

- Development- How do countries improve their quality of life? What slows down the process of development? How can we measure development?
- Energy Project.

### **Sources of additional information to support your learning:**

Africa and Football Topic- <https://www.ducksters.com/geography/africa.php>

<http://www.bbc.co.uk/schools/gcsebitesize/geography/population/>

[https://www.youtube.com/watch?time\\_continue=16&v=cb415uP3kuU](https://www.youtube.com/watch?time_continue=16&v=cb415uP3kuU)

<https://www.ordnancesurvey.co.uk/mapzone/games/puzzle-adventure>

Rivers and Coasts- <https://www.bbc.com/bitesize/guides/zkrdmp3/revision/1>

<https://www.youtube.com/watch?v=8ISfVu8Y-GY>

[http://www.bbc.co.uk/bitesize/ks3/geography/physical\\_processes/coasts/revision/1/](http://www.bbc.co.uk/bitesize/ks3/geography/physical_processes/coasts/revision/1/)

Development :

<http://www.bbc.co.uk/bitesize/ks3/geography/interdependence/development/revision/1/>

Energy:

[http://www.bbc.co.uk/bitesize/ks3/geography/human\\_processes/sustainable\\_futures/revision/3/](http://www.bbc.co.uk/bitesize/ks3/geography/human_processes/sustainable_futures/revision/3/)

## Religious Studies

Autumn Term:

- Sikhism
- Judaism

Spring Term:

- The life of Jesus

Summer Term:

- Forgiveness
- Afterlife

**Sources of additional information to support your learning:**

BBC Bitesize KS3 Religious Studies

<http://www.reonline.org.uk/knowning/what-re/>

**Spanish**

Autumn Term:

- Free-time activities
- Telling the time
- Sports
- Likes and dislikes
- Describing your town
- Making arrangements to go out
- The weather
- Daily routine

Spring Term:

- Holiday destinations
- Opinions
- Holiday activities
- Using the past tense

Summer Term:

- Breakfast foods
- Going to a restaurant
- Shopping
- Favourite meals

**Sources of additional information to support your learning:**

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

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

[www.languagesonline.org.uk](http://www.languagesonline.org.uk)

<http://languagesresources.co.uk/home/spanish/>

<https://language-gym.com/#!/game-room>



## French

### Topics

#### Autumn Term:

- Greetings
- Numbers and your age
- Months and birthdays
- School bag items
- Describing your classroom
- Favourite sports
- Colours
- Pets

#### Spring Term:

- Family members
- Describing your house
- Talking about food
- Countries
- The weather
- Describing personality
- Describing what people look like

#### Summer Term:

- School subjects
- Opinions about school
- School life in France

### Sources of additional information to support your learning:

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

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

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

[www.languagesonline.org.uk](http://www.languagesonline.org.uk)

<http://languagesresources.co.uk/home/french/>

<https://language-gym.com/#!/game-room>

## Resistant Materials

### Autumn Term: Metals

- Categories of metals and what makes them different (Ferrous, non-ferrous and alloys)
- Different types of metal, their properties and common uses

- The environmental impact of using metals in production
- Metal-working skills – Health and safety and equipment (names and how to use)

Spring Term:

- as above (rotation)

Summer Term:

- As above (rotation)

## Food

Autumn Term: (Rotation 1)

- How bacteria grows
- Hazard prevention
- Personal hygiene in the kitchen
- Healthy eating
- The 5 a day programme
- Health Sponge practical
- Evaluation
- Pastry making (fruit and savoury)
- Pasta product research
- Pasta bake practical
- Evaluating Pasta
- All about proteins
- Making Koftas
- Evaluation of meat based product
- Victoria sandwich practical (all in on method)
- Reviewing Macronutrients
- End of term test (healthy eating and Nutrition)

Spring Term: (Rotation 2)

- How bacteria grows
- Hazard prevention
- Personal hygiene in the kitchen
- Healthy eating
- The 5 a day programme
- Health Sponge practical
- Evaluation

- Pastry making (fruit and savoury)
- Pasta product research
- Pasta bake practical
- Evaluating Pasta
- All about proteins
- Making Koftas
- Evaluation of meat based product
- Victoria sandwich practical (all in on method)
- Reviewing Macronutrients
- End of term test (healthy eating and Nutrition)

- Summer Term: (Rotation 3)
- How bacteria grows
- Hazard prevention
- Personal hygiene in the kitchen
- Healthy eating
- The 5 a day programme
- Health Sponge practical
- Evaluation
- Pastry making (fruit and savoury)
- Pasta product research
- Pasta bake practical
- Evaluating Pasta
- All about proteins
- Making Koftas
- Evaluation of meat based product
- Victoria sandwich practical (all in on method)
- Reviewing Macronutrients
- End of term test (healthy eating and Nutrition)

### **Performing Arts**

Autumn Term:

- Dance – Boys: Avengers Assemble/ Group Choreography Girls: Positive Body Image
- Drama – Mental Health Awareness, Homelessness
- Music – Blues, Using Mixcraft

Spring Term:

- Dance – Boys- Avengers Assemble/ Group Choreography Girls-Positive Body Image

- Drama – How do playwrights create powerful openings? Exploring Shakespeare’s Othello.
- Music – Samba, Ensemble Performance skills

Summer Term:

- Dance – Boys- Avengers Assemble/ Group Choreography Girls-Positive Body Image
- Drama – Noughts and Crosses, Commedia Dell’Arte
- Music – Experimental Music, Reggae

**Sources of additional information to support your learning:**

Dance:

<http://www.capoeira-world.com/about-capoeira/what-is-capoeira/>  
<https://www.onedanceuk.org/resource/motif-and-development/>  
<https://zoonation.co.uk/>  
<https://www.skillsyouneed.com/ps/positive-body-image.html>

Drama:

[https://en.wikipedia.org/wiki/Konstantin\\_Stanislavski](https://en.wikipedia.org/wiki/Konstantin_Stanislavski)  
[https://en.wikipedia.org/wiki/Bertolt\\_Brecht](https://en.wikipedia.org/wiki/Bertolt_Brecht)  
[https://en.wikipedia.org/wiki/Augusto\\_Boal](https://en.wikipedia.org/wiki/Augusto_Boal)  
<https://www.mentalhealth.org.uk/>  
<https://www.rsc.org.uk/>  
[https://en.wikipedia.org/wiki/Commedia\\_dell%27arte](https://en.wikipedia.org/wiki/Commedia_dell%27arte)

Music:

[https://en.wikipedia.org/wiki/Origins\\_of\\_the\\_blues](https://en.wikipedia.org/wiki/Origins_of_the_blues)  
<https://www.acoustica.com/mixcraft/v7/help/video-tutorials.htm>  
<https://en.wikipedia.org/wiki/Reggae>  
<https://en.wikipedia.org/wiki/Samba>  
[https://en.wikipedia.org/wiki/John\\_Cage](https://en.wikipedia.org/wiki/John_Cage)

**Art**

Autumn Term: Colour Theory/ Henri Matisse

- Practise mixing different colours to improve knowledge of colour theory. Use Blendable pencil crayons to achieve different colours and effects.

Spring Term: Pop Art

- Research and draw from different comics, be imaginative. Use bright contrasting and complementary colours in your work to replicate that of Pop Art.

Summer Term: African Culture

- Read about African Culture to understand the specific tribes. Use this knowledge in your art work to annotate some of your sketches in class.

**Sources of additional information to support your learning:** your local library will contain art books that will be relevant to all of the above topics. The internet is a valuable resource but be careful to make sure it is not a painting 'in the style' of the Artist you are looking at.

### Physical Education

Autumn Term:

- Learn the Table tennis rules
- Learn the badminton rules
- Learn the Trampolining rules

Spring Term:

- Learn the basketball rules
- Learn the handball rules
- Learn the Dodgeball rules

Summer Term:

- Cardiovascular system
- Respiratory system

**Sources of additional information to support your learning:**

[www.tabletennisengland.co.uk](http://www.tabletennisengland.co.uk)  
[www.badmintonengland.co.uk](http://www.badmintonengland.co.uk)  
[www.trampolining-online.co.uk](http://www.trampolining-online.co.uk)  
[www.basketballengland.co.uk](http://www.basketballengland.co.uk)  
[www.englishhandball.com](http://www.englishhandball.com)  
[www.dodgeballuk.com](http://www.dodgeballuk.com)  
[www.innerbody.com](http://www.innerbody.com)