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**BRADFORD GIRLS'
GRAMMAR SCHOOL**

Co-educational up to 11, Girls only 11-16

Year 11 Home Learning Guide for Parents

Autumn Term 2022.

Introduction

Thank you for the continued support you are providing in supporting your daughter in her learning.

We are now hopeful that the school community will face fewer covid related disruptions in the next year, but teachers continue to work hard to identify any remaining gaps in knowledge and adapt their curricula to fill them.

This booklet provides information about what your daughter will be learning this term in each of her subjects. It also gives some guidance on how you can best support her.

If you have any queries or need some further support, please contact Mrs Howarth, Vice Principal at your earliest convenience rhowarth@bggs.com

Art

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none">• Wrapped Tied and Twisted- component 1• Mind map – Next steps• Mood board - images gathered• Artist research pages• Ideas and development	<ul style="list-style-type: none">• Development piece• Final outcome

How parents/carers can help

One A3 sketchbook is provided within a plastic portfolio for every GCSE Art student at the beginning of the course. It is your daughter's responsibility to keep this work safe. When transporting between home and school it should be left within the art department in individual art drawers in preparation for their lesson before morning registration.

Art students are provided with basic art equipment and can borrow materials from the department but a basic set of pencils and coloured pencils is recommended .

All lessons can be found on Teams. This can help the student to be able to recap the learning objectives set and complete the work if absent. Intervention sessions are held in the Art room at lunchtimes. This is an opportunity to complete prepwork, access specialist art materials and have individual support from their art teacher.

Useful Resources

Links to useful videos to watch or tutorials are always embedded into powerpoints where appropriate.

- www.bbc.co.uk/bitesize/subjects/z6f3cdm
- www.studentartguide.com
- Pinterest

Biology

Subject Content

In year 11, the students in set 1 are studying the separate science pathway and all other sets are studying the combined science pathway. If a topic is to be studied ONLY by separate scientists, it will be highlighted in brackets.

Autumn Half Term 1	Autumn Half Term 2
<p>Ecosystems: students will learn interdependence within ecosystems and how this causes competition between species. They will look at how organisms within ecosystems are distributed and will conduct field investigations to study the organisms in our community. They will look at how organisms can be classified in different methods put forward by various scientists.</p>	<p>Ecosystems: Students will look at biodiversity and how human population growth is having a negative impact on this. They will look at way this can be managed and look ahead to help solve a future global crisis.</p> <p>Genes: Students will begin by looking at the similarities between asexual and sexual reproduction on a genetic level.</p>

How parents/carers can help

- Encourage your daughter(s) to regularly revisit her classwork between lessons. This will help consolidate their learning and allow the content to be fresh in their minds ready to be built upon in the next lesson.
- Check if homework has been set and support your daughter(s) in being organised and meeting deadlines.
- Be aware of the useful resources listed below so should your daughter(s) require additional support with their learning, you know where this can be accessed outside of lessons.
- If your daughter(s) are absent from school through illness or self-isolation, refer to the Microsoft Teams Class Notebook pages for the subjects missed, and make sure the work that they have missed is completed before their return to school. This will ensure that there are no gaps in their knowledge, and that they will not be disadvantaged.

Useful Resources

- All students will have access to www.kerboodle.com where they can find an online version of their textbook, learning resources, animations and activities to help support their learning.
- All students will have access to www.doddlelearn.com where they will be assigned additional learning tasks and homework activities. They can also use this at their own leisure should they find they need further support with a particular topic area.
- [freesciencelessons | The very best in science education](#)

Business

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<p>Unit 5 Marketing</p> <ul style="list-style-type: none"> • Identifying and understanding customers • Segmentation • The purpose and methods of market research • Practising higher response answers 	<p>Unit 5 Marketing</p> <ul style="list-style-type: none"> • The elements of the marketing mix: price, product, promotion and place (4Ps) • Practising higher response answers

How parents/carers can help

- Please encourage your daughter to read around the topic using her textbook.
- Discuss any training you have had for your job and the benefits / disadvantages this provided you with.

- Discuss the quality of service with your daughter after you have been shopping or visited a restaurant, talk about the things that you appreciate from a service.
- Links for resources used in all lessons can be found on the class notebook page on Teams which is dated.
- All resources used in the lessons are also placed on SharePoint, split by topics.
- Encourage students to check Teams for any homework/classwork that is due.

Useful Resources

- <https://www.bbc.co.uk/bitesize/examspecs/zvwb382>
- <https://www.tutor2u.net/business>
- <https://app.senecalearning.com/classroom/course/154d6ec0-32ac-11e8-84d9-f>

Chemistry

Subject Content

Autumn Half Term 1		Autumn Half Term 2	
<p>Trilogy</p> <p>Matter- students will learn the different allotropes of carbon.</p> <p>Acids- students will learn how acids can be described as strong/weak and concentrated/ dilute.</p> <p>Electrolysis- students will learn about the electrolysis of solutions.</p>	<p>Separate Chemistry</p> <p>Matter- students will learn about the different allotropes of carbon.</p> <p>Quantitative Chemistry- students will learn how to calculate concentrations of solutions and of gases.</p>	<p>Trilogy</p> <p>Reversible reactions and equilibria- students will learn how the conditions of reactions can change the quantity of products.</p> <p>Organic Chemistry- students will learn about how oil can be used and its problems for the environment.</p>	<p>Separate Chemistry</p> <p>Electrolysis- students will learn about the electrolysis of solutions.</p> <p>Reversible reactions and equilibria- students will learn how the conditions of reactions can change the quantity of products.</p> <p>Organic Chemistry- students will learn about alkenes.</p>

How parents/carers can help

- Encourage your daughter(s) to regularly revisit her classwork between lessons. This will help consolidate their learning and allow the content to be fresh in their minds ready to be built upon in the next lesson.
- Check if homework has been set and support your daughter(s) in being organised and meeting deadlines.
- Be aware of the useful resources listed below so should your daughter(s) require additional support with their learning, you know where this can be accessed outside of lessons.

Useful Resources

- All students will have access to www.kerboodle.com where they can find an online version of their textbook, learning resources, animations and activities to help support their learning.
- All students will have access to www.doddlelearn.com where they will be assigned additional learning tasks and homework activities. They can also use this at their own leisure should they find they need further support with a particular topic area.
- There are some excellent videos on You Tube, particularly [Cognito](#) and [Free Science Lessons](#). These are often only a few minutes long and provide excellent summaries of the topics studied.

Citizenship

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Theme A Living together in the UK <ul style="list-style-type: none">How have communities developed in the UK?What is identity?	<ul style="list-style-type: none">What are democratic values and where do they come from?How does local democracy work?

How parents/carers can help

- If they are unable to attend school the resources are posted under the relevant date on teams on class notebook, they can email me or contact via teams if they need any help.
- Watch the news and discuss current affairs and how it links to Citizenship learning.

Useful Resources

- <https://www.bbc.com/news> - for current affairs
- Knowledge organisers for each topic available on class notebook
- Edexcel (www.pearson.com) GCSE specification Citizenship Studies
- Citizenship lessons for Key Stage 4 students - Oak National Academy (www.thenational.academy)
- Welcome to your UK Parliament - Parliament UK Education

Computing

Subject Content

Autumn Half Term 1	Autumn Half Term 2
1.3 Computer networks, connections and protocols <ul style="list-style-type: none">Networks and topologiesWired and wireless networks, protocols and layers 2.2 Programming fundamentals <ul style="list-style-type: none">Practical programming skills	1.4 Network security <ul style="list-style-type: none">Threats to computer systems and networkIdentifying and preventing vulnerabilities 2.2 Programming fundamentals <ul style="list-style-type: none">Practical programming skills

How parents/carers can help

If your child becomes stuck on a particular topic or lesson, please refer them to the support that can be found on MS Teams. This can help the student to be able to recap the learning objectives set and follow the work. You could also use any of the resources below. If you feel that they need more help and guidance, then please speak to your child's Computing teacher.

Useful Resources

- [GCSE Computer Science - OCR - BBC Bitesize](#)
- [GCSE - Computer Science \(9-1\) - J277 \(from 2020\) - OCR](#)

Performing Arts

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none">Introduction To Btec Level 1 / 2 Tech award in Performing Arts Component 2: Repertoire	<ul style="list-style-type: none">Component 2 external assessment

How parents/carers can help

This course is 90% coursework. Please check with the pupils that they are up to date with all their work and their logbooks. It is essential that they meet all deadlines as all coursework assessments are submitted and count towards the final qualification.

Useful Resources

Pupils will have access to a full library of resources at school. All of our pupils will be given a login and password to Digital Theatre. They will be given a list of performances that they can watch at home.

<https://edu.digitaltheatreplus.com/login?redirect=%2F>

Useful websites are:

- <https://www.franticassembly.co.uk/>
- <https://www.youtube.com/watch?v=UMsJAGYnWOU>
- <https://www.youtube.com/watch?v=BvMT5MbIXX4>

English

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Macbeth/Language Paper 2 Revision We will be completing our unit on Macbeth in preparation for the Literature Paper 1 exam. Pupils need to have a good understanding of characters, themes and context. We will also be revising Paper 2 Language by completing starter activities and homework tasks.	A Christmas Carol/Language Paper 2 Revision We will be completing our unit on A Christmas Carol in preparation for the Literature Paper 1 exam. Pupils need to have a good understanding of characters, themes and context. We will also be revising Paper 2 Language by completing starter activities and homework tasks.

How parents/carers can help

- Encourage reading for pleasure: whilst they are no longer in Key Stage 3, reading for 20 minutes a day is incredibly impactful in supporting student progress.
- Encourage your child to engage with non-fiction texts; this may be reading the newspaper with them or discussing formal speeches (for example TED Talks or those given by politicians).

Useful Resources

- For summaries of character, theme, and acts, students can use Spark Notes

[Macbeth - GCSE English Literature Revision - AQA - BBC Bitesize](#)

Food and Nutrition

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none">• Technical skills• Food Choices	<ul style="list-style-type: none">• Food provenance• Introducing NEA coursework

How parents/carers can help

Take student shopping for food, identify where food comes from.

Discuss choices and reasons

Useful Resources

[AQA website for Food and Nutrition GCSE](#)

Text book issued through school

French

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Foundation and higher Topics Social issues <ul style="list-style-type: none">A. Describing charity workB. Discussing poverty in the worldC. Understanding importance of charities Grammar The conditional tense (vouloir/ aimer) (revision) Vouloir que + subjunctive En+present participle	Foundation and higher Topics Global issues <ul style="list-style-type: none">A. Discussing environmental problems and their solutionsB. Discussing global issues Grammar Using si+present tense Revision of EN+ Y

How parents/carers can help

- Check vocabulary/ grammar is learnt and encourage daughter to practice reading/ vocabulary aloud.
- Check homework is completed.
- Check presentation of work in exercise book/ folder.

Encourage daughter to download vocabulary Apps such: Quizlet and Memrise

- Encourage use of Kerboodle Online resources and others listed below, including revision of vocabulary.
- Discourage use of Google Translator: it has become a real problem especially with remote learning

Useful Resources

- Textbook: AQA textbook

- Kerboodle online
- AQA syllabus (available online), including vocabulary list
- Website: languagesonline.org.uk (free, no password required): particularly useful for grammar exercises
- Linguascope.com: to practise and help with vocabulary retention
- Revision guide: provided to each student: to use with topics being studied
- Use of vocabulary App.

Geography

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<p>How is the UK changing in the 21st Century</p> <ul style="list-style-type: none"> • The physical and human characteristics of the UK • Population and structure of the UK • Causes and effects of an aging population • Major economic changes in the UK • UKs role in a global conflict – Case study Somalia • UKs influence including film and tv. • Contribution of ethnic groups to the cultural life of the UK 	<p>Climate Change</p> <ul style="list-style-type: none"> • Pattern of climate change over time • Evidence and reliability of climate change • Causes of natural climate change • Enhanced greenhouse effect • Explore a range of impacts of climate change globally • Explore a range of impacts of climate change in the UK

How parents/carers can help.

- Talk to your daughter about why the UKs landscape will create problems in the future such as water stress.
- Watch the news with your daughter and think about the changing UKs economy.
- Watch the weather reports and discuss links to climate change.
- Note any evidence that the UKs climate is changing such as extreme weather (heat waves, extreme storms etc)
- Watch some of the excellent documentaries about climate change on the BBC with your daughter

Useful Resources

- <https://www.cia.gov/the-world-factbook/>
- [UK in the 21st century - GCSE Geography Revision - OCR - BBC Bitesize](#)
- [Impacts of climate change - Climate change - OCR - GCSE Geography Revision - OCR - BBC Bitesize](#)
- [BBC iPlayer - Climate Change - The Facts](#)
- [BBC iPlayer - The People v Climate Change](#)

History

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<p>Superpower relations and the Cold War, 1941-91.</p> <ul style="list-style-type: none"> - Cold War Crises, 1958-70. 	<p>Early Elizabethan England, 1558-1588.</p> <ul style="list-style-type: none"> - Queen, government and religion, 1558-69.

<ul style="list-style-type: none"> - The Cuban Missile Crisis. - Czechoslovakia, 1968-69 - The end of the Cold War, 1970-91. - Attempts to reduce tension between East and West, 1969-79 - Flashpoints in superpower relations, 1979-84. - The collapse of Soviet control in Eastern Europe, 1985-91 	<ul style="list-style-type: none"> - The situation on Elizabeth's accession - The 'settlement' of religion - Challenge to the religious settlement - The problem of Mary, Queen of Scots - Challenges to Elizabeth at home and abroad. - Plots and revolts at home - Relations with Spain - Outbreak of war with Spain, 1585-88 - The Armada
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How parents/carers can help

Please encourage your daughter to complete the work set and revisit work between lessons.

Please check homework as this will often involve revision and recall and will be revisited regularly in class.

Work set as an Assignment in Teams should be returned by the specified date for assessment and feedback.

BBC bitesize provides an excellent summary and includes progress checks – encourage your daughter to take advantage of this resource.

Useful Resources

Superpower relations:

[Background to the crises, 1958-1970 - The Cold War 1958-1970 - Edexcel - GCSE History Revision - Edexcel - BBC Bitesize](#)

[Key factors that brought an end to the Cold War - The end of the Cold War - Higher History Revision - BBC Bitesize](#)

Early Elizabethan England:

[Government and religion in the Early Elizabethan era - The Elizabethans overview - Edexcel - GCSE History Revision - Edexcel - BBC Bitesize](#)

[Challenges to Elizabeth's rule - Edexcel test questions - Edexcel - GCSE History Revision - BBC Bitesize](#)

Latin

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Latin grammar: <ul style="list-style-type: none"> -Revision and Consolidation of Level 1 grammar -Latin Adjectives -Participles -Adverbs -Genitive case - Cum and the pluperfect subjunctive -Cum and the imperfect subjunctive 	Latin grammar: <ul style="list-style-type: none"> - Cum and the pluperfect subjunctive -Cum and the imperfect subjunctive -Indirect questions -Indirect commands -Purpose clause -Relative clause -Gerundives

-Practising the language	-The ablative case -Expressions of time
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How parents/carers can help

Please encourage students to complete the work set and revisit work between lessons. Work set as an Assignment in Teams should be returned by the specified date for assessment and feedback.

If students are unable to access their lessons because they are self isolating the lesson PPTs and tasks can be found on Class Notebook.

Useful Resources

University of Cambridge Resources:

www.clc.cambridgescp.com/books/book-i

www.clc.cambridgescp.com/books/book-ii

www.clc.cambridgescp.com/books/book-iii

www.clc.cambridgescp.com/books/book-iv

www.exams.cambridgescp.com/files/cscp/wjec18vocab/index.html

Maths

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none"> Algebra 1 – simplifying expressions, solving linear equations, inequalities, solving quadratics Fractions, decimals and percentages – FDP equivalence, reverse percentages, recurring decimals Shape 1 – Angles, bearings and circle theorems 	<ul style="list-style-type: none"> Number 1 – rounding, directed number, roots, indices, limits of accuracy. Graphs – straight line graphs, parallel lines, perpendicular lines Ratio and proportion – ratio, density, inverse proportion, gradients of curves Shape 2 – volume, surface area, arc length, plans and elevations

How parents/carers can help

If your child becomes stuck on a particular part of the lesson, please refer them to the video's that can be found on MS Teams. This can help the student to be able to recap the learning objectives set and follow the work. Being able to visually see the problem can help the students with the questions. If you feel that they need more help and guidance, then please speak to your child's Math's teacher.

Useful Resources

- <https://whiterosemaths.com/advice-and-guidance> - this will provide more information about the schemes of learning and can offer advice on the new techniques.
- www.mathsgenie.co.uk/ - this has useful videos, exam questions and past papers.
- www.corbettmaths.com/ - this has useful videos, worksheets and exam questions.
- <https://hegartymaths.com/> - your child has access to this, and this is where homework is set for maths. This is also useful as they can use it to see other videos to help them with their work.

Physical Education

Subject Content

Autumn Half Term 1	Autumn Half Term 2
GCSE PE – Practical lessons in assessed sports including netball, football, swimming and athletics. Theory lessons will include coursework preparation.	GCSE PE – Practical lessons in assessed sports including netball, football, swimming and athletics. Theory lessons will be completing coursework.
Core PE – A combination of swimming, fitness, invasion games, and net & wall based activities.	Core PE – A combination of swimming, fitness, invasion games, and net & wall based activities.

How parents/carers can help

GCSE PE - Encourage your daughter to use the variety of revision resources provided to maintain and develop their understanding of the broad spectrum of GCSE PE topics. Encourage regular attendance at extra-curricular sports clubs specific to their chosen assessment areas.

Core PE - Encourage your daughters to attend extra-curricular sports clubs regularly, and/ or to spend time each day outside of school being physically active.

Useful Resources

GCSE PE -

- OCR GCSE PE Revision Guide
- BBC Bitesize OCR GCSE PE
- MS Teams Revision Resources Bank (all GCSE PE students have access to this)

Core PE - All students will have access to a bank of ideas and resources through MS Teams and SharePoint. Other useful resources for physical activity ideas can be found here:

- [Youth Sport Trust Website](#)
- [YouTube - PE with Joe](#)
- [Change4life Website](#)

Physics

Subject Content

In Year 11, students in set 1 study the separate science pathway, all other sets study the combined science pathway.

Autumn Half Term 1		Autumn Half Term 2	
Trilogy	Separate Physics	Trilogy	Separate Physics
Energy Calculations Recap (F Tier only)	Static Charge and Electric Fields	Elasticity including Hooke's Law (F Tier only)	Elasticity including Hooke's Law
Scalar and Vector Quantities	Pressure in gases	Forces, acceleration and Newton's Laws	Moments, levers and gears
Forces – effects and calculations	Pressure in a fluid	Forces and braking (H Tier only)	Forces, acceleration and Newton's Laws
Elasticity including Hooke's Law (H Tier only)	Atmospheric pressure		
	Forces – effects and calculations.		

How parents/carers can help.

- Encourage your daughter(s) to regularly revisit her classwork between lessons. This will help consolidate their learning and allow the content to be fresh in their minds ready to be built upon in the next lesson.
- Check if homework has been set and support your daughter(s) in being organised and meeting deadlines.
- Be aware of the useful resources listed below so should your daughter(s) require additional support with their learning, you know where this can be accessed outside of lessons.
- If your daughter(s) are absent from school through illness or self-isolation, refer to the Microsoft Teams Class Notebook pages for the subjects missed, and make sure the work that they have missed is completed before their return to school. This will ensure that there are no gaps in their knowledge, and that they will not be disadvantaged.

Useful Resources

- All students will have access to www.kerboodle.com where they can find an online version of their textbook, learning resources, animations and activities to help support their learning.
- All students will have access to www.doddlelearn.com where they will be assigned additional learning tasks and homework activities. They can also use this at their own leisure should they find they need further support with a particular topic area.
- [Phet Simulations](#)
- [freesciencelessons | The very best in science education](#)

Religious Studies

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<p>Relationships and families</p> <ul style="list-style-type: none"> • Religious teachings about human sexuality • Contraception and family planning • Religious teachings about marriage • Divorce and remarriage 	<p>Relationships and families</p> <ul style="list-style-type: none"> • The nature and purpose of families • Christian beliefs about gender equality <p>Religion, Peace and Conflict</p> <ul style="list-style-type: none"> • Justice, forgiveness and reconciliation • Violent protest and terrorism • Reasons for war

How parents/carers can help

- Encourage students to routinely revise and consolidate their work.
- Check if homework has been set and support your daughter in being organised and meeting deadlines.
- Watch the news and discuss religious/ethical issues when they arise.

Useful Resources

- All students have their own copy of the textbook
- The AQA website can be used to download past papers and sample answers: www.aqa.org.uk
- [Oak National Academy \(thenational.academy\)](http://Oak National Academy (thenational.academy)) provides online lessons which support the course.
- <https://www.bbc.co.uk/bitesize/subjects/zb48q6f>
- www.truetube.com

Spanish

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Unit 6: social issues <ul style="list-style-type: none"> • Healthy living • Dangers to the health • Charity and voluntary work Grammar revision: focus on tenses, especially past tenses; use of direct pronouns; translation skills There will also be a focus on ORAL SKILLS and conversation lessons are compulsory for all pupils this year.	Unit 7: global issues <ul style="list-style-type: none"> • The environment • Main environmental problems • Poverty and Homelessness Grammar revision: focusing on accuracy and use of prepositions, articles, demonstratives, etc Preparation for MOCKS; practice past papers

How parents/carers can help

Please encourage your daughters to attend all their live lessons and complete the work set. Work set as an Assignment in Teams should be returned by the specified date for assessment and feedback. If students are unable to access their live lessons because they are sharing a device, the lesson and tasks can be found on **Class Notebook**.

- Check that vocabulary/ grammar is learnt regularly
- Check that any homework is completed
- Encourage daughter to read their Spanish work aloud and to practise vocabulary aloud.

Useful Resources

(In addition to textbook provided)

- www.kerboodle.com – goes with our textbook, has great additional resources and revision exercises to do.
- www.wordreference.com/ - online bilingual dictionary
- www.linguascope.com/ - very helpful with vocabulary acquisition and retention
- www.bbc.co.uk/bitesize/examspecs/z4yyjhw to practise and revise Units 5-7, 8 following AQA specification

Textiles

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<p>Cultural Fusion- Component 1</p> <ul style="list-style-type: none">• Artist Study development• Experimenting with medias; free embroidery, hand stitch, printed backgrounds, drawing skills, layering medias together	<ul style="list-style-type: none">• Experimenting with medias; free embroidery, hand stitch, printed backgrounds, drawing skills, layering medias together• Personal response to the inspirational artist• Final outcome• Completion of component 1

How parents/carers can help

One A3 sketchbook is provided within a plastic portfolio for every GCSE Art student at the beginning of the course. It is your daughter's responsibility to keep this work safe. When transporting between home and school it should be left within the art department in individual art drawers in preparation for their lesson before morning registration.

Art students are provided with basic art equipment and can borrow materials from the department but a basic set of pencils and coloured pencils is recommended.

All lessons can be found on Teams. This can help the student to be able to recap the learning objectives set and complete the work if absent. Intervention sessions are held in the Art room at lunchtimes. This is an opportunity to complete prep work, access specialist art materials and have individual support from their art teacher.

Useful Resources

To work like an Artist / Designer your daughter would benefit from the use of apps like:

[Black Box Press Studio](#)

[AQA | Subjects | Art and Design](#)