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**BRADFORD GIRLS'
GRAMMAR SCHOOL**

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

Year 10 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">• Surfaces and Textures- component 1• Mind map - words on the theme• Mood board - images gathered• Pencil tone - observational drawing• Watercolour techniques from online tutorials	<ul style="list-style-type: none">• Artist Research- Jim Dine• Lino printing- process/method -• 4 colour reduction print design and print• Printmaking and mono/sgraffito

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 10, 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.</p>	<p>Organisms Students will be looking at communicable diseases and how the body responds to them. They will be looking in depth at different examples of diseases and how they can be treated. They will also look at how drugs such as antibiotics and painkillers are designed and tested and the issues that can arise because of misuse.</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 1 Business in the real world and Unit 2 Influences on Business</p> <ul style="list-style-type: none"> • What is a market • The purpose of business, risks and rewards • The reasons for setting up a business • Entrepreneurship • Business ownership types (sole trader, partnership, limited company, not for profit) • Business aims and objectives • The trade-off between ethics and profit 	<p>Unit 1 Business in the real world and Unit 2 Influences on Business</p> <ul style="list-style-type: none"> • Business Stakeholders • Choice of Location • Business planning (inc basic financial calculations – Profit, Revenue, Costs) • An introduction to cash flow and income statements • Business growth and an introduction to globalisation

How parents/carers can help

- Please encourage your daughter to read around the topic using her textbook and to regularly watch news programmes from a variety of stations (e.g. BBC, Sky, Al-Jazeera etc) If you watch too, discuss any business related news items.
- If you run your own business, discuss the advantages and disadvantages of being your own boss
- If visiting a town, or a shopping centre , engage your daughter in a conversation about the type of ownership that various businesses might have, and the impact of this on their owners. Talk about the location of the business and the advantages and disadvantages of this.
- All resources used in the lessons are also placed on SharePoint, split by topics and usually dated
- Encourage your daughter to check Teams for any homework/classwork that is due.

Useful Resources

The exam specification is AQA 8132 Click [HERE](#) for a synopsis of the specification

- <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
Matter - students will look at the different types of structures and bonding that can occur, the properties attached to these, and examples of materials with these properties.	Reactions - students will investigate the quantitative aspects of chemistry including moles and equations.

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
<p>Theme A Living together in the UK</p> <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
<ul style="list-style-type: none">• Introduction to OCR Content• Boolean Logic• Data Storage• Practical Programming skills	<ul style="list-style-type: none">• Designing, creating and refining Algorithms• Programming Fundamentals• Data Types• 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 \(9-1\) - J277 \(from 2020\) - OCR](#)
- [GCSE Computer Science - OCR - BBC Bitesize](#)

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 1: The study of the set text 1, Things I Know To Be True and Frantic Assembly 	<ul style="list-style-type: none"> • Component 1 Continued: • Study of set text 2 Twelfth Night • Workshops

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
<ul style="list-style-type: none"> • An Inspector Calls <p>Study in preparation for GCSE English Literature Paper Two, focusing on essential understanding of the text and its social and historic background and the skills needed to write detailed analysis of the text.</p>	<ul style="list-style-type: none"> • Language Paper Two <p>Preparation for the Non-Fiction element of the Language exam, focusing on understanding the conventions of non-fiction texts such as letters, articles, and speeches. We will also focus on comparing texts from the modern day to those from the 19th Century and the skills needed to write a non-fiction text, each of which is worth 25% of the final grade in Language.</p>

How parents/carers can help

- If your child is stuck with her work, ask her to check Class Notebook on Teams for resources for the lessons.
- 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 <https://www.sparknotes.com/drama/an-inspector-calls/>
- For useful summaries of the text with a detailed focus on inferences and quotations, this YouTube video is very useful. https://www.youtube.com/watch?v=tt_Xg5MWWVuw

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 My family and me <ul style="list-style-type: none">A. Describing family and friendsB. Who you get on withC. Future relationships and future relationship choices Grammar Present tense Reflexive verbs Immediate future Simple future Adjective agreements Comparatives and superlatives	Foundation and higher Topics Free-time activities <ul style="list-style-type: none">A. Describing free time activities in the pastB. Talking about leisure activitiesC. Eating out and different cuisinesD. World food and eating habits Grammar Perfect tense of regular verbs Revision of the future tense Demonstrative pronouns Using pronouns Y and EN

How parents/carers can help

- Check vocabulary/ grammar is learnt and encourage daughter to practice reading/ vocabulary aloud.
- Check homework is completed.

Encourage daughter to download vocabulary Apps such as: Quizlet and Memrise

- Check presentation of work in exercise book/ folder.
- 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
Urban Futures <ul style="list-style-type: none"> • What is urbanisation and how are global patterns changing • What are world cities and megacities and how has their distribution changed since 1950 • What are the causes of rapid urbanisation in LIDCs including push and pull factors • What are the consequences of rapid urban growth in LIDCs • Understanding contrasting consequences of urban trends in ACs • Life in cities, patterns of migration and how this changes the character of a city • Contemporary challenges affecting life in ACs • Investigating how cities can become more sustainable 	Dynamic Development <ul style="list-style-type: none"> • Zambia & world trade • Zambia and aid. Top down vs bottom up Sustaining Ecosystems <ul style="list-style-type: none"> • What is an ecosystem? • Locating biomes • Interdependence • Climate flora & fauna in 6 key biomes • Biodiversity in tropical rainforests

How parents/carers can help.

- Talk to your daughter about development and why some countries are rich/poorer than others.
- Watch the news with your daughter and think about the reasons behind global issues.
- Go for a walk in a local woodland together. E.g. at Shipley Glen.
- Note the different species of plants and animals living in your garden with your daughter
- Visit a safari park or zoo together. Eg. Yorkshire Wildlife Park
- Watch some of the excellent wildlife documentaries on the BBC with your daughter

Useful Resources

- <https://www.yorkshirewildlifepark.com/>
- <https://www.bbc.co.uk/iplayer/episodes/p02544td/planet-earth-ii>
- <https://www.cia.gov/the-world-factbook/>
- <https://www.gapminder.org/>
- <https://www.bbc.co.uk/bitesize/topics/zvj4rdm>
- <https://www.bbc.co.uk/bitesize/topics/z8sx2p3>

History

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Medicine through time, c1250-present <ul style="list-style-type: none">- C1250-c1500: Medicine in Medieval England.<ul style="list-style-type: none">- Ideas about the cause of disease and illness.- Approaches to treatment and prevention.- Dealing with the Black Death 1348-49.- C1500-1700: The Medical Renaissance in England.<ul style="list-style-type: none">- Ideas about cue of disease and illness- Approaches to prevention and treatment	Medicine through time, c1250-present <ul style="list-style-type: none">- C1500-1700: The Medical Renaissance in England.<ul style="list-style-type: none">- William Harvey- Dealing with the Great Plague, 1665.- C1700-1900: Medicine in 18th and 19th Century Britain.<ul style="list-style-type: none">- Ideas about the cause of disease and illness.- Approaches to prevention and treatment.- Fighting cholera in London, 1854.

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

Medieval Medicine:

[Medical ideas in the medieval era - Advances in medical knowledge – WJEC - GCSE History Revision - WJEC - BBC Bitesize](#)

[History KS3 / GCSE: Medieval Medicine - BBC Teach](#)

Renaissance Medicine:

[The Renaissance - Renaissance medicine - the beginnings of change - AQA - GCSE History Revision - AQA - BBC Bitesize](#)

[16th and 17th Century Medicine - BBC Teach](#)

18th and 19th Century Medicine:

[History KS3 / GCSE: 18th Century Medicine - BBC Teach](#)

[History KS3 / GCSE: 19th Century Medicine - BBC Teach](#)

[Robert Koch and bacteria - Medicine in 18th- and 19th-century Britain, c.1700-c.1900 - Edexcel - GCSE History Revision - Edexcel - BBC Bitesize](#)

[19th century advances in medical knowledge - Advances in medical knowledge – WJEC - GCSE History Revision - WJEC - BBC Bitesize](#)

Latin

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Latin grammar: -Revision and Consolidation of Level 1 grammar -Latin Adjectives -Participles -Adverbs -Genitive case - Cum and the pluperfect subjunctive -Cum and the imperfect subjunctive -Practising the language	Latin grammar: - Cum and the pluperfect subjunctive -Cum and the imperfect subjunctive -Indirect questions -Indirect commands -Purpose clause -Relative clause -Gerundives -The ablative case -Expressions of time

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"> • Congruence, similarity and enlargement • Trigonometry 	<ul style="list-style-type: none"> • Representing solutions of equations and inequalities. • Simultaneous equations

How parents/carers can help

If your child becomes stuck on a particular part of the lesson, please refer them to the videos 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 and they will supply you with a support booklet.

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 – Theory lessons on paper 1 topics including skeletal and muscular systems, and components of fitness. Practical lessons on netball.	GCSE PE – Theory lessons on paper 1 topics including methods of training, principles of training and optimising training.
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 10, 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
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<ul style="list-style-type: none"> • Energy stores and systems including how energy is transferred between systems and within a system • Electrical circuits with a focus on the characteristics of different components in a circuit 	<ul style="list-style-type: none"> • Electrical circuits with a focus on the differences between series and parallel circuits • Internal energy focussing on calculating specific heat capacity of different materials and investigating latent heat
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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.
- [Oak National Academy \(thenational.academy\)](https://www.thenational.academy) provides online lessons to support any students who may have missed content due to illness/self-isolating.
- [Phet Simulations](#)

Religious Studies

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<p>Christian beliefs and teachings</p> <ul style="list-style-type: none"> • The nature of God • The oneness of God and the Trinity • Different Christian beliefs about Creation • The incarnation • The Crucifixion • The resurrection and ascension. 	<p>Christian beliefs and teachings continued</p> <ul style="list-style-type: none"> • Life after death: judgement, heaven and hell • Sin and salvation • The role of Christ in salvation. <p>Crime and punishment</p> <ul style="list-style-type: none"> • Reasons for crime • Christian attitudes to lawbreakers and different types of crime. • The aims of punishment: Retribution, Deterrence and Reformation.

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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
- [Oak National Academy \(thenational.academy\)](https://www.thenational.academy) provides online lessons which support the course.
- <https://www.bbc.co.uk/bitesize/subjects/zb48q6f>
- www.aqa.org can be used to check the specification, download past papers and view sample answers.

Spanish

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Unit 2: Technology Grammar revision: focus on tenses Unit 3: free time Grammar focus: the use of the preterite tense	Unit 1: Relationships <ul style="list-style-type: none"> • Friendships • Family • Partnerships

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
<ul style="list-style-type: none"> • Surfaces and Textures- component 1 • Mind map - words on the theme • Mood board - images gathered • Pencil tone - observational drawing • Mixed media and textile samples 	<ul style="list-style-type: none"> • Artist Research pages • Sewing machine mastery • Hand and machine embroidery

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](#)