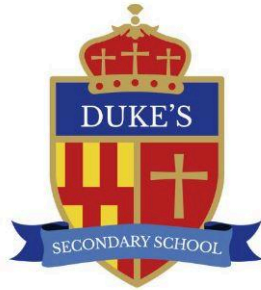


Duke's Secondary
3 Steps to Effective Examination
Preparation

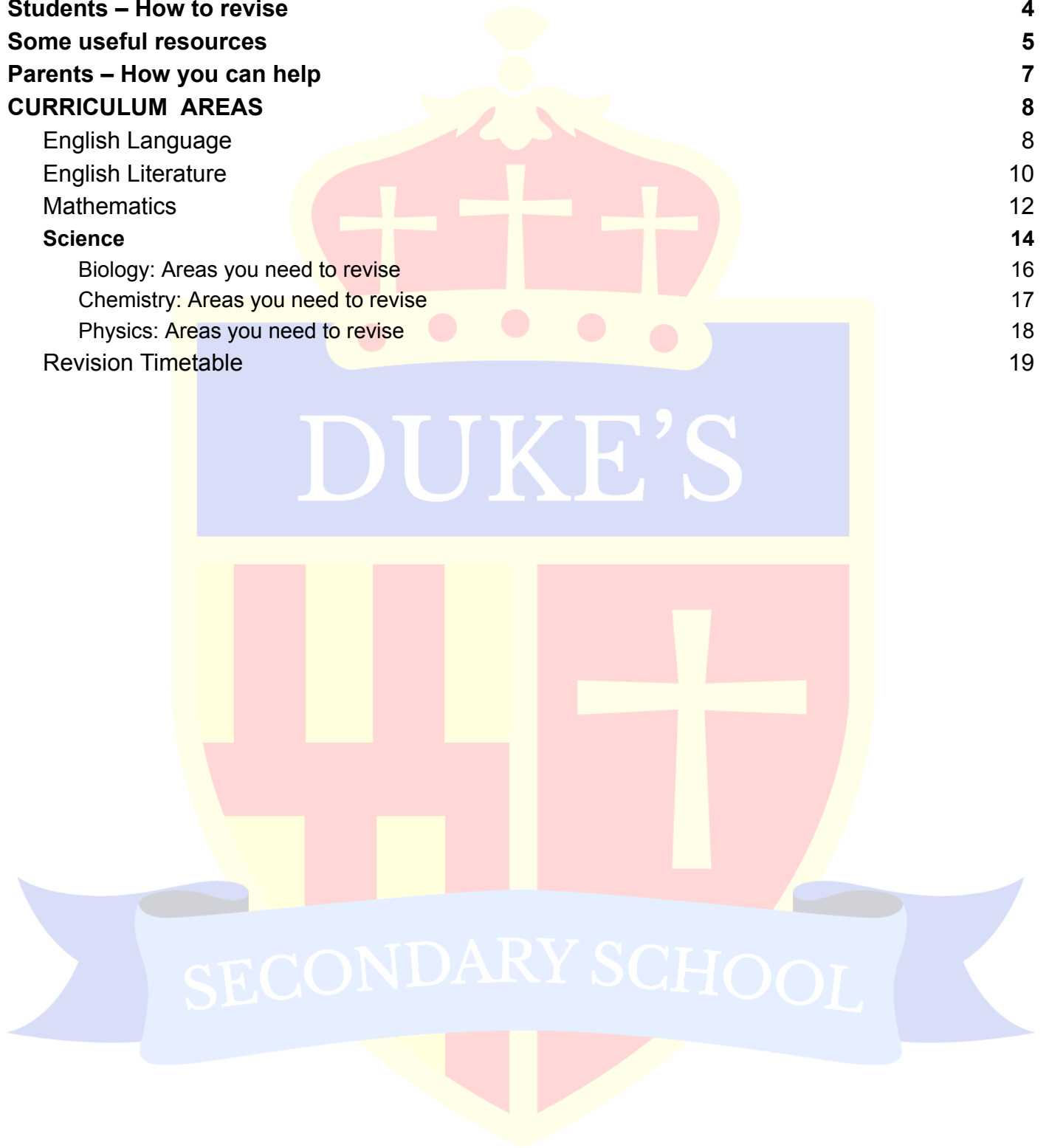


Learn  **Revise**  **Test**

Y10 Revision Guide



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INTRODUCTION

Welcome to your copy of “Making Revision Work for You” for the 2025, Y10 mock exams.

The coming months are an important time for Y10 students as they prepare for their mock, summer examinations. This booklet is aimed at helping all students plan and use revision time effectively as well as giving parents/guardians some tips on how they can help and support.

This booklet includes some tips on how parents can encourage, enable and support students to revise effectively. It also contains subject-by-subject revision advice which, in some cases, will be supported by material that you will receive directly from your subject teachers.

Please read this revision support booklet and;

- **as a parent** help your child to get organised, and
- **as a student** work with your parents to ensure a good, focused revision schedule.

Checking progress from time to time is very helpful, too. Subject teachers are more than happy to provide any other guidance that may be needed.

You will achieve your potential with:

- ✓ a clear revision schedule (see back of booklet for EXAMPLE timetables)
- ✓ concentration on areas in need of improvement
- ✓ hard work, determination and sustained effort
- ✓ support from family, peers and staff
- ✓ a sensible and good balance between work and relaxation.

Students have the opportunity to practice revision techniques during tutor time.

If you have any concerns, please do contact the relevant member(s) of staff at school. Never give up!

Mr Blight

SECONDARY SCHOOL

Students – How to revise

- **KEEP YOUR MOBILE PHONE IN A SEPARATE ROOM WHEN REVISING OR WORKING - NO SCREEN/NOTIFICATION/MESSAGING DISTURBANCE**
- Plan your work – draw up a timetable of what you need to revise, and when you plan to do it.
- Don't be too ambitious – set targets which are hard, but achievable.
- Revising often for shorter periods is better than studying for long stretches, less frequently. Most people begin to lose concentration after 30 minutes. Most people learn best near the beginning and ending of a revision session – so, the more breaks, the more beginnings and endings you have.
- If you find your attention drifting, take a 10 minute break – physical activity, such as a short walk or stretching, can be helpful – then go back to your studies. Taking a drink of water helps keep your body hydrated and alert.
- You will be aware that people learn best in different ways. Think about how you learn best.
- Don't just re-read notes, try:
 - ✓ highlighting key words
 - ✓ making mind maps, spider diagrams, timelines, flow charts, Venn diagrams, etc.
 - ✓ summing up key points
 - ✓ making lists
 - ✓ writing down key points on cards and using them to test yourself, or getting someone to test you
 - ✓ teaching or explaining to someone else what you have learned ✓ producing a poster
 - ✓ making up a rap, poem, or song, based on what you are learning
 - ✓ producing a storyboard or cartoon, based on what you are learning
 - ✓ talking over what you have learned either in your mind, or out loud, or to someone else
 - ✓ using different rooms, or different areas of one room, to study different topics – when you return:
 - each location should remind you of what you have learned, and
 - thinking about each location during the exam can trigger memories, too
 - ✓ walking around or assigning a gesture or movement to a fact or topic can help some people learn
 - ✓ reviewing what you have learned so far, ideally by testing yourself, doing a mind map or list etc, before beginning again.

Some useful resources

- The Internet offers a huge amount of revision material – so long as you do not make the mistake of spending too long surfing!
- Materials available on the exam boards' websites, such as past papers, offer excellent practice and revision opportunities.
- **Edtech for Revision**

Edtech (Education Technologies) is playing an increasing role in your education here at Duke's. You will have made use of Chromebooks in your lessons to help you with your learning, for example vocabulary quizzes, online apps such as Eedi and other similar sorts of activities.

As part of your revision, it's really important that you revisit your Google Classrooms where you should find lesson slides from previous lessons, links to revision guides, digital copies of knowledge organisers and many other resources that can help with your revision.

You should also use those revision websites that you will know about from your teachers, E.g. Seneca, BBC Bitesize, Hegarty Maths, Eedi, Youtube etc.

There are also loads of websites that have various revision tools like flash cards and mind maps etc. You can also use Quizizz and Kahoot games to check your vocabulary and subject understanding - there are lots of pre-made quizzes on these sites.

- ✓ www.bbc.co.uk/schools/revision - BBC Bitesize is one of the best-known educational websites, and covers a variety of subjects. Recent additions to the site include revision help for students studying PE and Information Technology.
- ✓ www.schoolsnet.com - this is mainly aimed at teachers, but it also contains links to around 140 revision sites on all the major National Curriculum subjects.
- ✓ www.gcse.com - useful revision information.
- ✓ www.letts-successzone.com, www.s-cool.co.uk, www.whsmith.co.uk - all of these addresses provide information on revision guides.
- ✓ www.britannica.com - general information.

- ✓ www.gcsepod.co.uk/home/ - some excellent revision materials for a wide variety of subjects.
- ✓ www.aqa.org.uk - for past papers for courses following the AQA specifications
- ✓ www.ocr.org.uk - for past papers for courses following the OCR specifications
- ✓ www.edexcel.org.uk - for past papers for courses following the Edexcel/Pearson specifications
- ✓ Revision Books/Guides: There is a huge range of revision books available from well-known publishers like Letts and York Notes, many of which can be found on the shelves of WH Smiths, Waterstones and other good bookshops. Duke's have provided revision guides for most subjects.
- ✓ All BBC Bitesize television programmes are worthwhile viewing for students revising for exams.
- ✓ Duke's Google Classroom for all subjects



DUKE'S
SECONDARY SCHOOL

Parents – How you can help

- We all remember how stressful exam time is, and how important the right kind of support from parents – and other members of the family – can be. Try to ignore the occasional slammed door, long silence or tantrum.
- Read through *Students – How to revise* (above), and the various subject-specific pages, and see what you can do to help.
- Providing a quiet study space, away from distractions, is important. However, different people learn in different ways: some people learn better if there is appropriate background music, or by talking aloud, or pacing, so absolute silence isn't always the best approach.
- Showing an interest in progress, and providing regular praise or rewards can be very supportive – sometimes, even a simple “Well done!” can mean a lot.
- Remember, one of the best ways of understanding and learning something is explaining or teaching it to someone else – so make yourself available, ask questions and so on.
- Make sure your child sets a realistic revision timetable, starts early, and sticks to it, without overdoing things. See the back of this booklet for an example weekly revision template.
- Timetabling in ‘down time’, exercise or sports, meals (of course), social and relaxation time is also important to a successful and fruitful revision schedule. Finding the right balance is key.

At home

Help your son or daughter produce a week by week revision timetable. You will find at the back of this booklet example weekly timetables for:

- whilst still in school and following normal lessons
- whilst on holidays

Please copy the blank timetables at the back as required to create a week by week revision schedule.

CURRICULUM AREAS

Advice, tips, guidance and resources for successful revision:

English Language - AQA

1. Read widely:

Newspapers, novels, magazines, autobiographies, travel writing...try to step outside of your comfort zone and select texts that are challenging and different from what you normally read. There is an enrichment section in the library with texts specifically chosen because they are challenging and are of the style you will find in the English Language exams.

Write widely:

Different forms- letters, articles, speeches, descriptions. Practise planning, writing, reviewing and editing your work. You could search for interesting pictures to use for descriptive writing stimulus or use the past paper packs in Google Classrooms.

2. Google Classrooms

You will find past papers, knowledge organisers, revision tips uploaded into Google Classrooms. If you can't access your Google Classrooms account, please see a technician.

There is a revision schedule with week by week revision tasks for English Language and Literature, including resources.

3. Use revision websites. Some of the best include: _____

- o <http://www.mrbruff.com/>
- o www.bbc.co.uk/schools/gcseb_ite/size/english
- o www.geoffbarton.co.uk

4. Clips on YouTube

Search for Mr Bruff - use these to help you to make detailed notes about your exam topics. He not only has videos on how to answer each question but also models top mark answers.

5. Podcasts – Mr Bruff also has recorded several podcasts about key aspects of the English Language exam.

6. Revision Guides

When choosing a revision guide for English Language, make sure it says 'from 2026' as there have been some changes to the style of the questions compared to earlier editions. You can buy a copy: <https://amzn.eu/d/0cOISV0m>

It explains each question for both papers in detail – you can use this information to make mind-maps / flashcards. There are also sections with mock exam questions. Use the contents page at the front of the book to quickly find the section you'd like to work on.

7. Improve your vocabulary

Practise writing tasks with a dictionary and thesaurus by your side- edit and review your work at the end asking yourself- does this vocabulary add to the intended impact/ effect? Reading widely can also impact your vocabulary use positively.

8. Respond to personalised targets

Ensure that you are clear about your strengths and areas for development- do you need to practise all of the skills or just some of them? Speak to your teacher if you are unsure.

9. Past papers

Find AQA past papers on Google Classroom, the AQA website and in your revision guides- bring them or email them to your teachers for marking.

English Language 10 week revision schedule:

Week	Revision task	Suggested Activities
1	Revise English Language Paper 1 Section A Q2 <ul style="list-style-type: none">Remind yourself of the key points for answering question 2- how to structure an answer, what to include in an answer etc.	<ul style="list-style-type: none">Review the information on the knowledge organiser or watch a revision video (from Google Classroom or Mr Bruff on Youtube) about paper 1 question 2.Make a flashcard with the key information.Try a practice question (from a revision guide or from Google Classroom)
2	Revise English Language Paper 1 Section A Q3 <ul style="list-style-type: none">Remind yourself of the key points for answering question 3- how to structure an answer, what to include in an answer etc.	<ul style="list-style-type: none">Review the information on the knowledge organiser or watch a revision video (from Google Classroom or Mr Bruff on Youtube) about paper 1 question 3.Make a flashcard with the key information.Try a practice question (from a revision guide or from Google Classroom)
3	Revise English Language Paper 1 Section A Q4 <ul style="list-style-type: none">Remind yourself of the key points for answering question 4- how to structure an answer, what to include in an answer etc.	<ul style="list-style-type: none">Review the information on the knowledge organiser or watch a revision video (from Google Classroom or Mr Bruff on Youtube) about paper 1 question 4.Make a flashcard with the key information.Try a practice question (from a revision guide or from Google Classroom)

4	<p>Revise English Language Paper 1 Section B Q5</p> <ul style="list-style-type: none"> Remind yourself of the key points for answering question 5- how to structure an answer, what to include in an answer etc. 	<ul style="list-style-type: none"> Review the information on the knowledge organiser or watch a revision video (from Google Classroom or Mr Bruff on Youtube) about paper 1 question 5. Make a flashcard with the key information. Try a practice question (from a revision guide or from Google Classroom)
5	<p>Revise English Language Paper 2 Section A Q2</p> <ul style="list-style-type: none"> Remind yourself of the key points for answering question 2- how to structure an answer, what to include in an answer etc. 	<ul style="list-style-type: none"> Review the information on the knowledge organiser or watch a revision video (from Google Classroom or Mr Bruff on Youtube) about paper 2 question 2. Make a flashcard with the key information. Try a practice question (from a revision guide or from Google Classroom)
6	<p>Revise English Language Paper 2 Section A Q3</p> <ul style="list-style-type: none"> Remind yourself of the key points for answering question 3- how to structure an answer, what to include in an answer etc. 	<ul style="list-style-type: none"> Review the information on the knowledge organiser or watch a revision video (from Google Classroom or Mr Bruff on Youtube) about paper 2 question 3. Make a flashcard with the key information. Try a practice question (from a revision guide or from Google Classroom)
7	<p>Revise English Language Paper 2 Section A Q4</p> <ul style="list-style-type: none"> Remind yourself of the key points for answering question 4- how to structure an answer, what to include in an answer etc. 	<ul style="list-style-type: none"> Review the information on the knowledge organiser or watch a revision video (from Google Classroom or Mr Bruff on Youtube) about paper 2 question 4. Make a flashcard with the key information. Try a practice question (from a revision guide or from Google Classroom)
8	<p>Revise English Language Paper 2 Section B Q5</p> <ul style="list-style-type: none"> Remind yourself of the key points for answering question 5- how to structure an answer, what to include in an answer etc. 	<ul style="list-style-type: none"> Review the information on the knowledge organiser or watch a revision video (from Google Classroom or Mr Bruff on Youtube) about paper 2 question 5. Make a flashcard with the key information. Try a practice question (from a revision guide or from Google Classroom)
9	Free choice - revisit any question that you feel needs attention. Consider focus areas from classwork and timed papers.	
10	Free choice - revisit any question that you feel needs attention. Consider focus areas from classwork and timed papers.	

SECONDARY SCHOOL

English Literature - AQA

1. Read and reread your set texts (The Strange Case of Dr. Jekyll and Mr. Hyde, An Inspector Calls and Macbeth) and poetry collection (Power and Conflict):

As the exams are closed book, the expectation is that you know your texts very well, understand how they are structured and are able to recall quotes to analyse for method and effect.

Therefore having read the play or poetry in class once or twice is not enough- you need to be going over these at home and in independent study. Copies of the texts are available in your Google Classroom.

In preparation for Unseen Poetry challenge yourself to read poetry weekly, or more regularly and decide on what is the central theme of the poem, the methods used and the effect of these methods. The more poetry you read the easier it becomes!

2. Supporting your understanding of the texts:

Remember for Jekyll and Hyde, Macbeth, An Inspector Calls and Power and Conflict poetry understanding the writer and the context is an integral part of the revision of the texts. Use your class notes, booklets and revision material to strengthen your understanding of context, themes, ideas and perspectives.

3. Timed writing:

Remind yourself of the paragraph format PEEACL for Macbeth and An Inspector Calls, PEAL for poetry and set yourself timed writing sessions in response to past questions or created questions.

4. Google Classrooms

You will find past papers, knowledge organisers, revision guides and tips uploaded into Google Classrooms. If you can't access your Google Classrooms account, please see a technician.

5. Use revision websites. Some of the best include:

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

<https://revisionworld.com/a2-level-level-revision/english-literature-gcse-level>

<https://senecalearning.com/en-GB/blog/gcse-english-literature-revision/>

6. Use revision clips on ‘You Tube’:

Search for **Mr Bruff English Literature GCSE** or **Mr Salles English Literature GCSE**- use the videos to help you to make detailed notes about your texts – plays, poetry or model exam questions. They not only have videos on how to answer each question but also models top mark answers.

7. Revision Guides

We have a small number of revision guides in the department which can be used in school to support your study. Alternatively you can pick them up second hand or from an online or high street book shop.

Good revision guides to look out for are ones by York notes, CGP or Collins.

e.g.

https://www.amazon.co.uk/York-Notes-GCSE-Rapid-Revision/dp/129227087X/ref=sr_1_3?crd=3GXU5R9RRPGA1&keywords=york+notes+rapid+revision+macbeth&qid=1699786993&s=books&sprefix=york+notes+rapid+revision%2Cstripbooks%2C73&sr=1-3

8. Respond to personalised targets

Ensure that you are clear about your strengths and areas for development- do you need to practise all of the skills or just some of them? Speak to your teacher if you are unsure about how to improve.

9. Past papers

Find AQA past papers on Google Classroom, the AQA website and in your revision guides- bring them or email them to your teachers for marking.

English Literature 10 week revision schedule:

Week	Revision task	Suggested Activities
1	Revise English Literature Paper 1 Section A <ul style="list-style-type: none">Revisit plot and characters of Macbeth	There are ebooks, videos and revision guides in your Google Classroom or you could watch on Youtube - we recommend Mr Bruff / Mr Salles: <ul style="list-style-type: none">Listen to an audiobook / read / watch a summary video of Macbeth. Create a timeline.

2	<p>Revise English Literature Paper 1 Section A</p> <ul style="list-style-type: none"> ● Revisit context of Macbeth ● Revisit themes of Macbeth 	<p>There are videos and revision guides in your Google Classroom or you could watch on Youtube - we recommend Mr Bruff / Mr Salles:</p> <ul style="list-style-type: none"> ● Watch videos on context and themes of Macbeth and make flashcards
3	<p>Revise English Literature Paper 1 Section A</p> <ul style="list-style-type: none"> ● Revisit how to answer exam questions 	<p>There are videos and revision guides in your Google Classroom or you could watch on Youtube - we recommend Mr Bruff / Mr Salles:</p> <ul style="list-style-type: none"> ● Try a practice question - (resources on Google Classroom)
4	<p>Revise English Literature Paper 1 Section B</p> <ul style="list-style-type: none"> ● Revisit plot and characters of Jekyll and Hyde 	<p>There are ebooks, videos and revision guides in your Google Classroom or you could watch on Youtube - we recommend Mr Bruff / Mr Salles:</p> <ul style="list-style-type: none"> ● Listen to an audiobook / read / watch a summary video of Jekyll and Hyde. Create a timeline.
5	<p>Revise English Literature Paper 1 Section B</p> <ul style="list-style-type: none"> ● Revisit context of Jekyll and Hyde ● Revisit themes of Jekyll and Hyde 	<p>There are videos and revision guides in your Google Classroom or you could watch on Youtube - we recommend Mr Bruff / Mr Salles:</p> <ul style="list-style-type: none"> ● Watch videos on context and themes of Jekyll and Hyde and make flashcards
6	<p>Revise English Literature Paper 1 Section B</p> <ul style="list-style-type: none"> ● Revisit how to answer exam questions 	<p>There are videos and revision guides in your Google Classroom or you could watch on Youtube - we recommend Mr Bruff / Mr Salles:</p> <ul style="list-style-type: none"> ● Try a practice question - (resources on Google Classroom)
7	<p>Revise English Literature Paper 2 Section A</p> <ul style="list-style-type: none"> ● Revisit plot and characters of An Inspector Calls 	<p>There are ebooks, videos and revision guides in your Google Classroom or you could watch on Youtube - we recommend Mr Bruff / Mr Salles:</p> <ul style="list-style-type: none"> ● Listen to an audiobook / read / watch a summary video of An Inspector Calls. Create a timeline.
8	<p>Revise English Literature Paper 2 Section A</p> <ul style="list-style-type: none"> ● Revisit context of An Inspector Calls ● Revisit themes of An Inspector Calls 	<p>There are videos and revision guides in your Google Classroom or you could watch on Youtube - we recommend Mr Bruff / Mr Salles:</p> <ul style="list-style-type: none"> ● Watch videos on context and themes of An Inspector Calls and make flashcards
9	<p>Revise English Literature Paper 2 Section A</p> <ul style="list-style-type: none"> ● Revisit how to answer exam questions 	<p>There are videos and revision guides in your Google Classroom or you could watch on Youtube - we recommend Mr Bruff / Mr Salles:</p> <ul style="list-style-type: none"> ● Try a practice question - (resources on Google Classroom)
10	Free choice - revisit any area that you feel needs attention. Consider focus areas from Tassomai to help you choose.	

SECONDARY SCHOOL

Mathematics

In order for students to achieve their desired grade in maths they must revise for short spells, **but often!** The amount of content in the GCSE maths paper requires them to constantly revisit a variety of topics to ensure everything is remembered well and that they are familiar with how to apply their knowledge and skills in exam questions.

Ideally, students should be doing about five hours of maths revision a week in the run up to exams - this time needs to be effective. Targeting weak topics is essential because answering the questions on these topics will definitely improve final grades. Revision should be a mixture of learning key facts and practising questions, always remembering to check answers.

Students sit OCR Linear J560 if they are taking the foundation tier or Edexcel Linear 1380 if they are taking the higher tier. By now, their tier of entry has almost certainly been decided, so students know whether they are sitting the foundation or higher paper. The foundation paper has a maximum achievable grade of 5 (known as a 'strong pass' and equivalent to the old B grade). The dates for **all three** papers are as follows:

Paper 1 (calc if OCR/non-calc if Edexcel): Thursday 15th May

Paper 2 (non-calc if OCR/calc if Edexcel): Wednesday 4th June

Paper 3 (calc): Wednesday 11th June

Extra Support in School

Mock exam (PPE) analysis sheet: Following your January mock exams, your Maths teacher will give you a personalised sheet of key topics; use this to guide your revision.

Revision Resources:

All revision resources can be found online (see list below):

Homework: All Y11 students are given regular homework tasks; completing these to the best of your ability and **seeking help with tricky questions** is a key component of revising effectively. Make sure you do!

Google Classroom: all work set can be found on your *Google Classroom* account, including links to online lessons and revision sites. **You can contact your Maths teacher directly, too, to ask for help, guidance or support with your revision.**

Eedi - Every student has an individual login and password; the site offers tasks which are personalised, with accompanying videos to support individual student progress, as well as the option to complete 'Retrieval Practice'.

Great websites:

Be sure to visit

www.thenational.academy

www.mathsgenie.co.uk

www.corbettmaths.com

www.dr frostmaths.com

www.onmaths.com

www.thirdspacelearning.com

www.senecalearning.com

for video tutorials and exam questions. **Be sure to check all answers.**

Please check the examination details below before entering your candidate information.

Candidate number:

Centre Number: Candidate Number:

Pearson Edexcel Level 1/Level 2 GCSE (9-1)

Friday 19 May 2023

Morning (Time: 1 hour 30 minutes) **Paper reference 1MA1/1H**

Mathematics PAPER 1 (Non-Calculator) Higher Tier

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Formulae Sheet (enclosed). Tracing paper may be used.

Instructions

- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer all questions.
- Answer the questions in the spaces provided – there may be more space than you need.
- You must show all your working.
- Diagrams are NOT accurately drawn, unless otherwise indicated.
- Calculators may not be used.

Information

- The total mark for this paper is 80.
- The marks for each question are shown in brackets – use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

P75148A



OCR
Oxford Cambridge and RSA

F

Friday 20 May 2022 – Morning

GCSE (9-1) Mathematics

J560/01 Paper 1 (Foundation Tier)

Time allowed: 1 hour 30 minutes

You must have:

- the Formulae Sheet for Foundation Tier (inside this document)

You can use:

- a scientific or graphical calculator
- geometrical instruments
- tracing paper

Please write clearly in black ink. Do not write in the barcodes.

Centre number: Candidate number:

First name(s):

Last name:

INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space, use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer all the questions.
- Where appropriate, your answer should be supported with working. Marks might be given for using a correct method, even if your answer is wrong.
- Use the π button on your calculator or take π to be 3.142 unless the question says something different.

INFORMATION

- The total mark for this paper is 100.
- The marks for each question are shown in brackets [].
- This document has 24 pages.

ADVICE

- Read each question carefully before you start your answer.

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SECONDARY SCHOOL

Science

Your preparation for science terminal exams should have two stages; learning and revising the work covered in lessons and applying your understanding to answer exam questions.

Learning & revising

- If you are studying combined science, download a copy of your syllabus from the OCR website or the Google Science classrooms.

<https://www.ocr.org.uk/Images/234597-specification-accredited-gcse-twenty-first-century-science-suite-combined-science-b-j260.pdf>

- If you are studying triple (separate) Sciences, you can find your specifications at the links below or on your Google Classrooms.

For Biology:

<https://www.ocr.org.uk/Images/234595-specification-accredited-gcse-twenty-first-century-science-suite-biology-b-j257.pdf>

For Chemistry:

<https://www.ocr.org.uk/Images/234599-specification-accredited-gcse-twenty-first-century-science-suite-chemistry-b-j258.pdf>

For Physics:

<https://www.ocr.org.uk/Images/234601-specification-accredited-gcse-twenty-first-century-science-suite-physics-b-j259.pdf>

If you cannot find it, ask your teacher. Go through the syllabus statements identifying those you understand and the statements that require further study. Write a set of revision notes based on the topics you do not understand.

Topics in bold are for higher tier students only.

Using the course revision guides or revision notes from the department. Read the information on the topics that you do not understand. Reading by itself rarely leads to remembering and understanding, so instead...

- o re-write information that you have read in your own words,
- o draw concept maps to link topics,
- o create question and answer cards - any use them regularly
- o try to teach your family and friends new and difficult ideas.

Revision guides are available from the school for Science to use in class and you have access to a digital version on your Google Classroom to access in your free time.

Use the online science resources to revise all units. **Use Tassomai every day to ensure you are practicing retrieval questions little and often.** Find the 21st Century syllabus on Seneca or BBC Bitesize. YouTube has some great channels for Science revision such as FreeScienceLessons, Primrose Kitten and Cognito.

Applying your understanding

Once you have learned and revised the material, you now need to practise applying your understanding to answer exam questions. Complete as many past exam papers as possible, including those on Google Drive and the hard copies given to you by your teacher. Remember the most important questions are those that you find difficult. Use the mark schemes, textbooks, revision guides, lesson notes and the internet to ensure all questions are completed. If there are questions you have particular difficulty answering, please ask your teacher to review them with you. Your subject teachers will upload banks of exam questions that are relevant to your class, onto your Google Classroom.

Other sources of GCSE style questions include the exam practice questions in the textbook throughout each topic, the questions in the revision guides and redoing topic tests (speak to your teacher).

Extra support in school

Your science teachers are there to help you so if you have a question or are confused by a topic make the effort to see them before or after the lesson, before and after school or at break and lunch.

The science department will also be running after-school revision sessions. Biology is already running on Tuesday evenings 3pm - 4pm. All students are welcome and refreshments are provided.

If in doubt, ask!

Other useful websites:

- Biology: <https://www.bbc.co.uk/bitesize/examspecs/z2synbk>
- Chemistry: <https://www.bbc.co.uk/bitesize/examspecs/zxy3frd>
- Physics: <https://www.bbc.co.uk/bitesize/examspecs/zt3gv4j>
- www.youtube.com/user/virtualschooluk
- www.khanacademy.org/
- www.senecalearning.com
- Duke's Google Classroom

Biology: Areas you need to revise

B1 You and Your Genes	<ul style="list-style-type: none">● Cell Structure (plant, animal and bacterial)● Structure of DNA● The Genome and key vocabulary● Inheritance and genetic crosses Dominant and recessive alleles● Sex determination● Genetic engineering● Benefits and risks of gene technology● Proteins and amino acids (triple only)
B2 Keeping Healthy	<ul style="list-style-type: none">● Communicable and Non Communicable disease● Common infections and animals and plants● Disease transmission● Non specific defences● The Immune system● Vaccination● Aseptic technique (triple only)● Lifestyle factors and non communicable diseases● Heart disease and it's data analysis● Clinical testing
B3 Living Together: Food and Ecosystems	<ul style="list-style-type: none">● Photosynthesis and factors that affect it● Enzymes and factors that affect them● Diffusion, osmosis and active transport● Xylem and phloem● Transpiration and translocation● Food tests● Food chains and webs● Pyramids of biomass● Decay (triple only)● Carbon cycle and water cycle● Populations and sampling
B4 Using Food and Controlling Growth	<ul style="list-style-type: none">● Aerobic and Anaerobic Respiration● Light and Electron Microscopes● Magnification● Mitosis● Meiosis● Stem Cells● Cancer● Plant Hormones (triple only)

Chemistry: Areas you need to revise

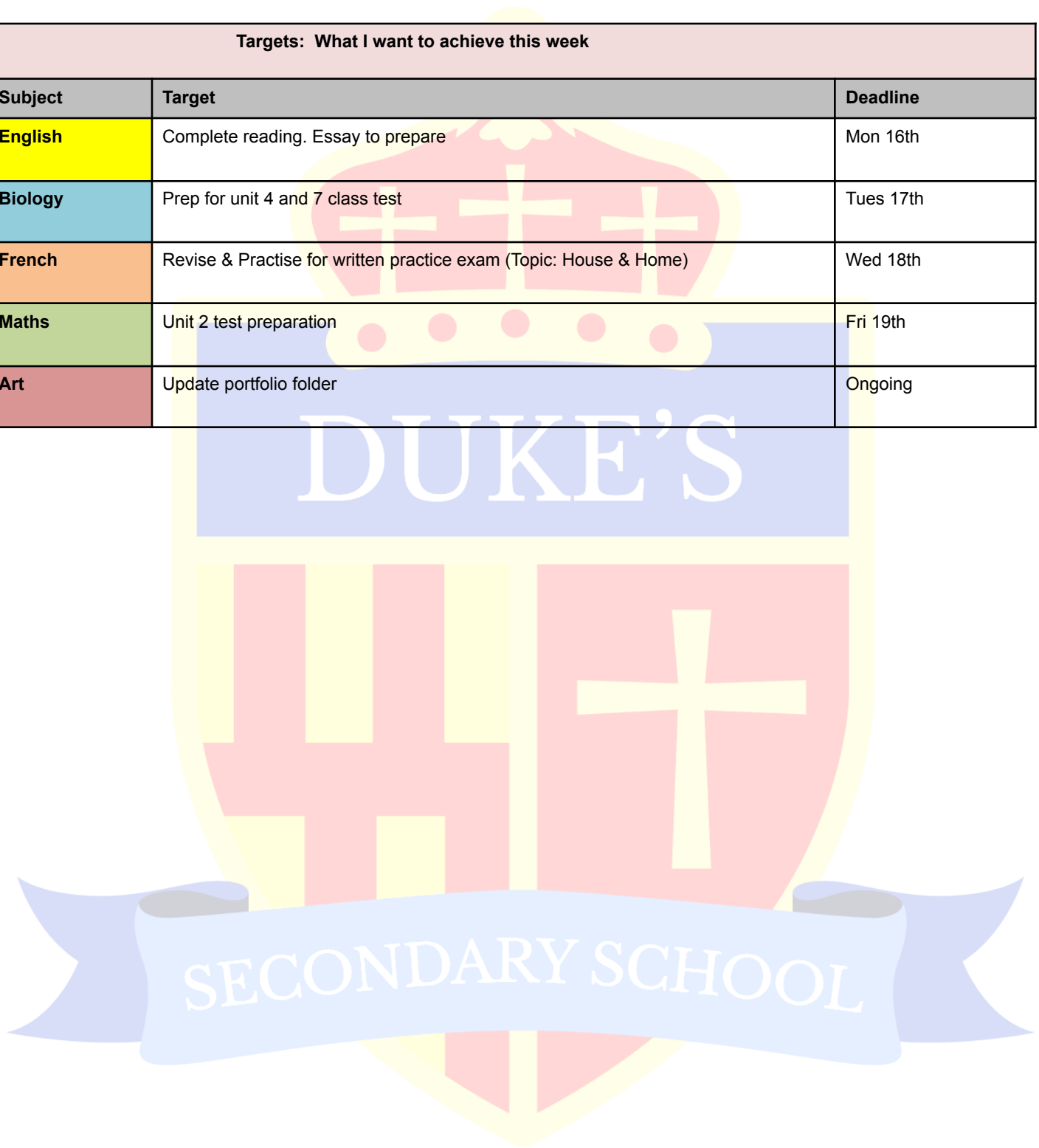
C2: Chemical Patterns	<ul style="list-style-type: none">● The history of the Atomic model and structure of the Atom● The Periodic Table● Using the periodic table to predict the properties of Elements● Metals and non-metals● Properties of Groups 1, 7 and 0● Ionic Bonding and structure● Chemical Formulae● Transition Metals
C4: Material Choices	<ul style="list-style-type: none">● Properties of metals, polymers, ceramics and composite materials● Material uses and selection● Alloys (Triple only)● Addition Polymerisation and naturally occurring polymers● How bonding and intermolecular forces affect material properties● Allotropes of Carbon● Covalent and metallic bonding● Nanoparticles● Ratio, volume and surface area● Corrosion (Triple only)● Oxidation and reduction● Life-Cycle Assessment● Recycling
C6: Making Useful Chemicals	<ul style="list-style-type: none">● Acids and Salts● Separating substances● pH Scale and Measuring pH● Investigating rates of reaction● The effect of catalysts● Drawing and Interpreting graphs● Reversible reactions and dynamic equilibrium● Chemicals in agriculture● The Haber process● Atom Economy● Industrial production vs laboratory synthesis of chemicals
C1: Air and Water	<ul style="list-style-type: none">● The Particle model● Bonding, forces and changes in state● Evidence of changes in the Earth's atmosphere● Air pollution and the Greenhouse Effect● Writing balanced chemical equations● Testing for gases● Exothermic and Endothermic reactions● Energy Cells (Triple only)● Interpreting data● Potable Water● Testing for Chlorine

Physics: Areas you need to revise

<p>P2 Energy</p>	<ul style="list-style-type: none"> ● Energy Stores and Energy transfers ● Conservation of Energy and Power ● Efficiency and Sankey Diagrams ● Energy Resources ● Trends in Energy Use ● National Grid
<p>P1 Radiation and Waves</p>	<ul style="list-style-type: none"> ● Waves and experiments ● Reflection and Refraction and their experiments ● The Electromagnetic Spectrum ● Energy Levels and Ionisation ● Uses of EM Radiation ● Absorbing and Emitting Radiation ● The Greenhouse Effect ● Further Reflection, Refraction and Prisms ● Lenses and Ray diagrams ● Further Reflection, Refraction and Prisms ● Lenses and Ray diagrams (Triple only)
<p>P3 Electric Circuits</p>	<ul style="list-style-type: none"> ● Static Electricity (Triple Only) ● Circuits- The basics ● Resistance ● I-V characteristics and circuit devices ● Energy and Power in circuits ● Series and Parallel circuits ● Electromagnetism (permanent and induced magnets)
<p>P4 Explaining Motion</p>	<ul style="list-style-type: none"> ● Newton's third law ● Mass and weight ● Scalars and vectors ● Calculating speed ● Acceleration ● Investigating motion ● Motion graphs ● Free body diagrams and scale drawings ● Newton's first law and circular motion ● Newton's second law ● Moments, levers and gears (Triple Only) ● Reaction times ● Stopping distances ● Work done and Energy transfers ● Kinetic Energy and Gravitational potential energy ● Energy and Power

Revision Timetable Term Time (Example)

Targets: What I want to achieve this week		
Subject	Target	Deadline
English	Complete reading. Essay to prepare	Mon 16th
Biology	Prep for unit 4 and 7 class test	Tues 17th
French	Revise & Practise for written practice exam (Topic: House & Home)	Wed 18th
Maths	Unit 2 test preparation	Fri 19th
Art	Update portfolio folder	Ongoing

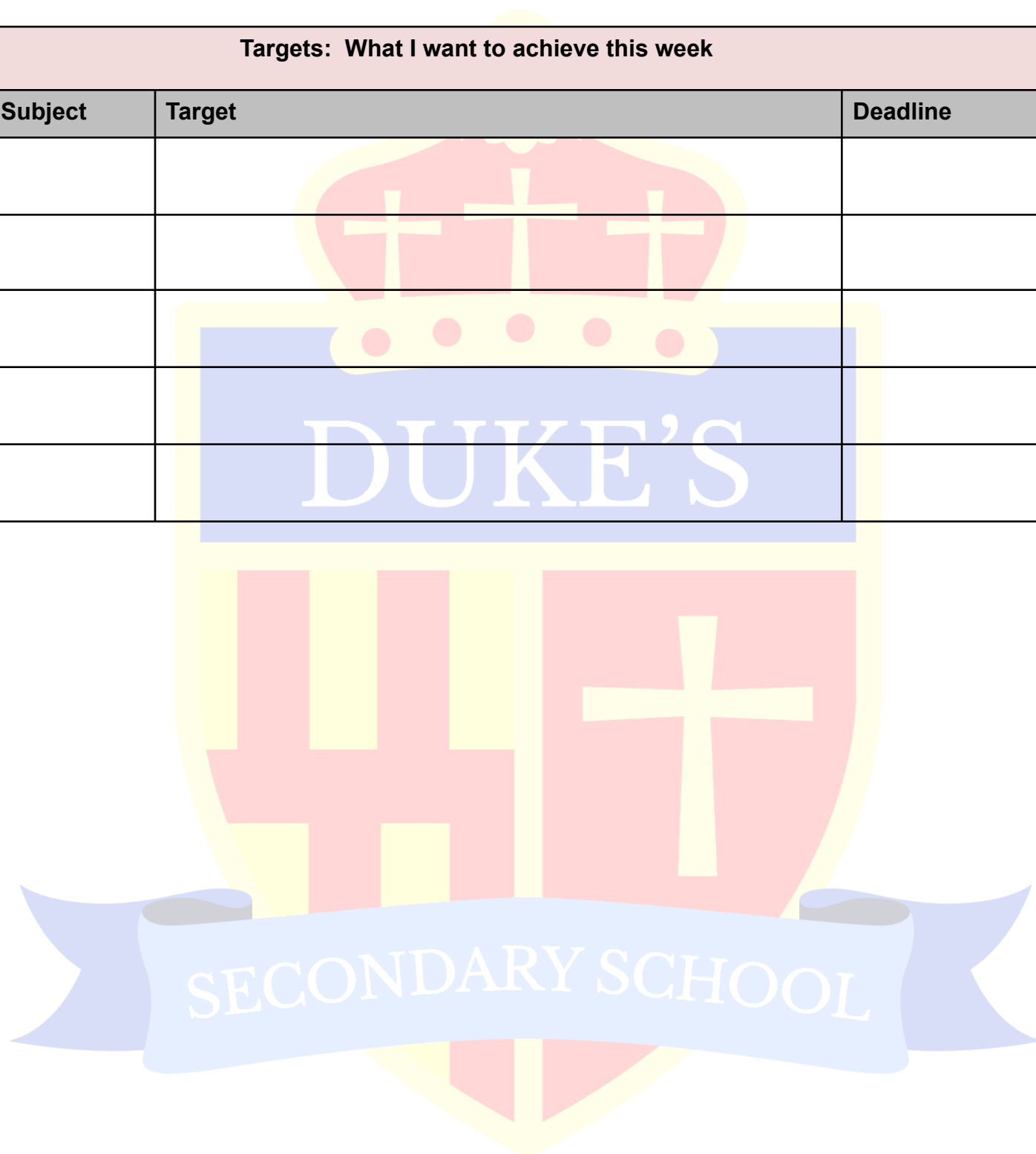


	Monday	Tuesday	Wed	Thurs	Friday		Sat	Sunday
4.00 – 5.00pm	Homework	Biology unit 4 prep	Biology unit 7 prep	Homework	Maths notes	9 – 11a m	Football match	x
5.00 – 6.00pm	x	Homework	Homework	x	x	11 – 1pm	Football match	x
6.00 – 7.00pm	Dinner	Dinner	Dinner	Dinner	Metro Centre	1 – 3pm	x	Art portfolio
7.00 – 8.00pm	Reading	x	English essay	History Graphics	TV time	3 – 5pm	History Graphics	x
8.00 – 9.00pm	French Writing prep	x	English essay	Biology prep for units 4 & 7 test	and Meal	5 – 7pm	Dinner	Dinner
9.00 – 10.00p m	x	x	x	x		7 – 9pm	x	Maths revision booklets
Notes	Auntie Dorothy for dinner	Drama class 7.30-9pm	English essay in tomorrow	Biology test tomorrow	'Chill' with Rob, Jane & Freddy	Info	Saturday night TV & takeaway	Go for walk PM

SECONDARY SCHOOL

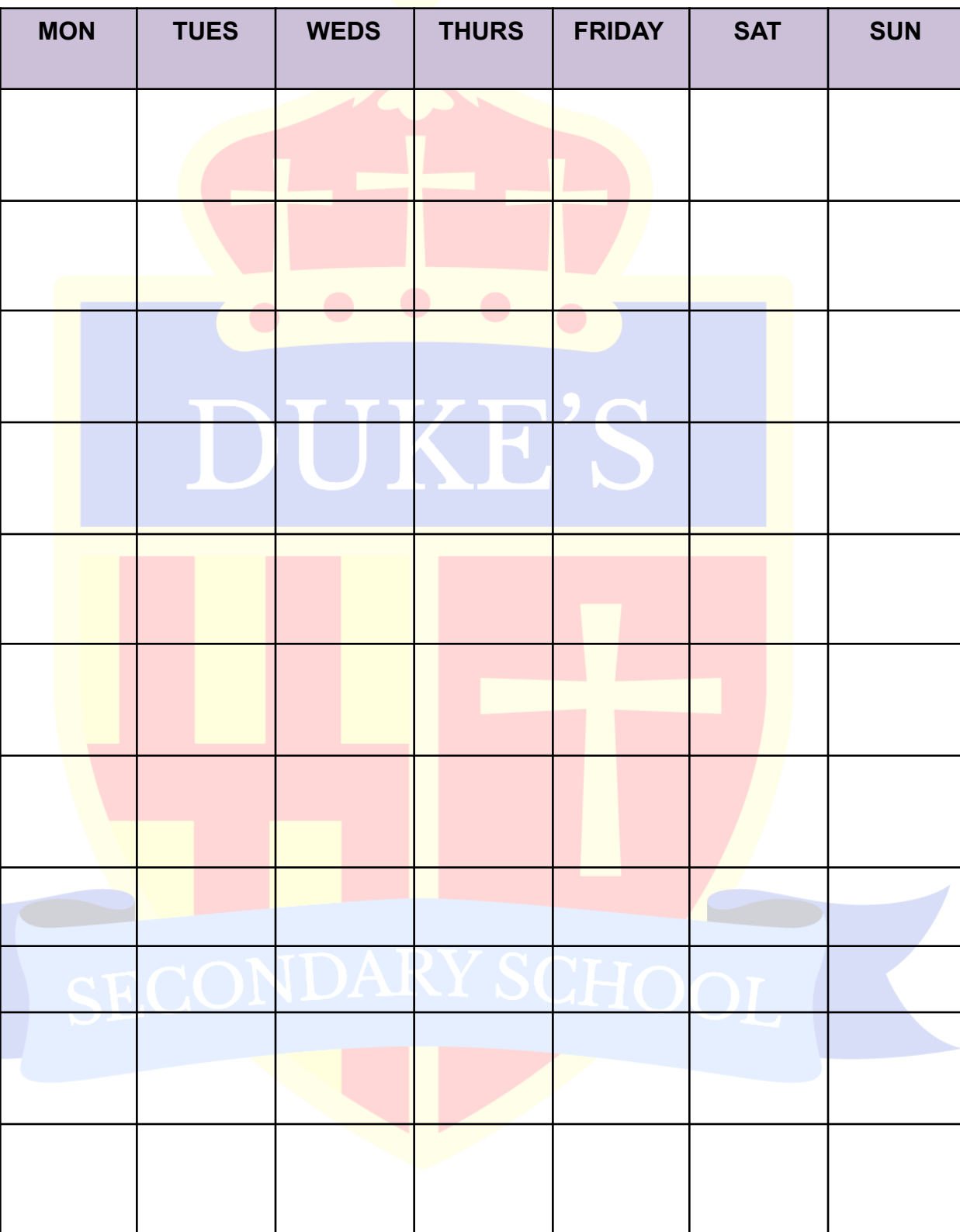
**Revision Timetable
In School Term Time**

Targets: What I want to achieve this week		
Subject	Target	Deadline



	Monday	Tuesday	Wed	Thurs	Friday		Sat	Sunday
4.00 – 5.00p m						9 – 11a m		
5.00 – 6.00p m						11 – 1p m		
6.00 – 7.00p m						1 – 3p m		
7.00 – 8.00p m						3 – 5p m		
8.00 – 9.00p m						5 – 7p m		
9.00 – 10.00 p m						7 – 9p m		
Notes						Info		

Revision Timetable
“HOLIDAY” TIME



The table is overlaid with a large, semi-transparent watermark of the Duke's Secondary School crest. The crest features a crown at the top, a shield with a cross and vertical stripes, and a banner at the bottom with the text 'DUKE'S SECONDARY SCHOOL'.

	MON	TUES	WEDS	THURS	FRIDAY	SAT	SUN
8.00am							
9.00am							
10.00am							
11.00am							
12 noon							
1.00pm							
2.00pm							
3.00pm							
4.00pm							
5.00pm							

6.00pm							
7.00pm							
8.00pm							

