



Lord Grey Can- Passport to Success



Welcome to students, parents, carers and guardians of the 2017- 2022 Lord Grey Academy cohort

Aims of the session:

- To summarise the key proposals for exams in 2022.
- To highlight the contingency plans
- To communicate the Multi-Academy Trust response to this
- To ensure students are preparing effectively for the year ahead.

Please note a copy of this presentation will be made available via our website and emailed to students.

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Curiosity

Civility

Integrity



Summary of key proposals

We recently shared with you a document outlining the Department For Education's (DFE) proposals for exams in 2021-2022. If you missed this, please check your email from ParentMail and student's emails.

Are exams back?

Yes, exams will return in May and June as normal. The known exam dates have been shared with students already via their school email. Vocational qualifications have yet to finalise their dates.

Why are exams back?

The DFE have stated that Exams are the best and fairest form of assessment.

When is GCSE results day?

25th August 2022



Summary of key proposals

What measures will be in place to make sure they are fair when different students have missed different amounts of time?

Students will benefit from a range of adaptations to GCSE, – these adaptations will help them reach their potential following the disruption they've faced. They include:

1. A choice of topics or content on which students will be assessed in GCSE English literature, history, ancient history and geography.
2. Providing advance information (February) on the focus of exams to support students' revision in subjects where there is not a choice of topics.
3. Giving students formulae sheets in GCSE maths and revised equation sheets in GCSE combined science and physics.
4. Changing requirements for practical science work and practical art and design assessments to ensure fairness.

(source: DFE)

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What are the Contingency Plans?

Contingency Plan 1

if there is further widespread and significant disruption to teaching and learning, the DFE have indicated that they will bring forward the publication of advance information about the focus of the content of exams. This will enable us to focus remaining teaching and learning time.

Contingency Plan 2

If the above measures are not sufficient to allow exams to proceed, grades will be awarded through a TAGs process similar to that used in 2021. Therefore across the Multi- Academy Trust, all schools will be following the guidance below:

- The forthcoming trial exams commencing 19th November will be the first TAG evidence collection activity.
- We will have another window of trial exams in March to provide more evidence should we need to generate a TAG.
- These will cover as much content as possible and be carried out in exam conditions with access arrangements.
- We will also use other assessments which will be communicated with parents, carers and guardians via ParentMail and Go-messenger, and to students via email and in classes.
- We will potentially offer a third set of targeted trial exams later in the year should there be a need.

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Lord Grey Can- Achieve Success



- Success starts with planning, you should therefore have picked up a calendar which also has some top tips for revision and planning for the year ahead.

Using the calendar

- Start by adding things to look forward to.
- Highlight the subject examinations that students are sitting in both the trial exams and the summer exams.
- Add revision activities
- Cross off every day and move any activities not done to another session.

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Lord Grey Can- Revise Effectively

Bad examples of revision activities include:

- Re-reading- no/little impact on long term memory, (just occupies time and makes you feel you are doing something)
- Highlighting- as above if used in isolation
- Cramming- causes stress.

Effective revision activities should be built on principles of :

- Interleaving
- Spaced practice
- Retrieval practice

and include:

- Past papers with mark schemes
- Quizzing through the use of knowledge organisers, effective flashcards and online resources such as GCSEPod and Mathswatch.

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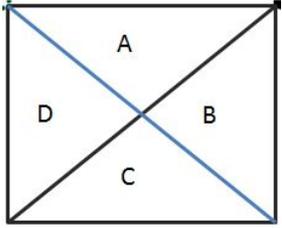
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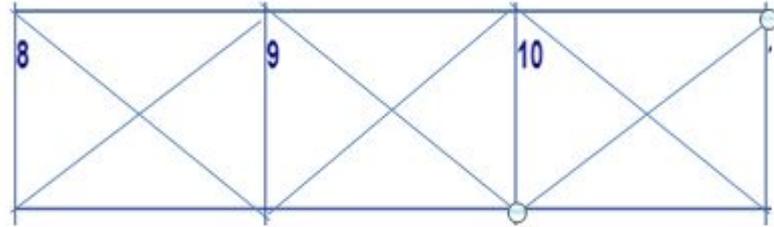
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- Interleaving



- Students switch between topics in a subject revision session (15-20 mins per topic)
- 1) ABCD 2) CBAD 3) DACB etc EG in Physics P1, P2, P3, P4 or across all Sciences C1, P1, B1, another.
- Key is to find balance between getting it and moving on
- Proven technique to highlight similarities and differences between topics, link concepts and solve problems
- Revisit in a different order to strengthen understanding
- **Action: mark off days on the calendar (see below) and add the topics to revise.**



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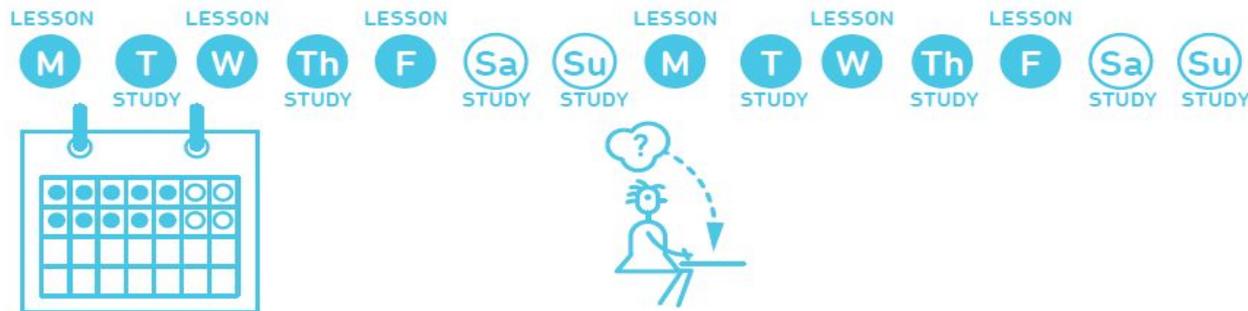
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- Spaced Practice

HOW TO DO IT

Start planning early for exams, and set aside a little bit of time every day. Five hours spread out over two weeks is better than the same five hours all at once.



- Spaced practice is less stressful
- Leave 2-3 days between subjects
- Reduces time
- **Action: Add to your calendar subjects in an order that enables spaced practice.**

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- Retrieval practice means trying to learn the content you have been taught

Strategy 1- Learning Dump: Pick a topic, set a timer and on a blank piece of paper or post it note, write as much as you can. If it is blank, you need to relearn it. If it's full, revisit it at a later date.

Eg 5 minutes to write as many quotes from A Christmas Carol as you can.

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- Retrieval Strategy 2 - Knowledge Organisers

Steps for Success

1. Look- at the information you want to know
2. Say- it aloud
3. Cover- to commit to memory
4. Write/Recall- to test you know it
5. Review- did you get it correct?

Action keep your knowledge organisers safe

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AQA Physics (Combined Science) Unit 6.1: Energy

Required Practical

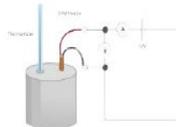
Investigating Specific Heat Capacity

independent variable – material

dependent variable – specific heat capacity

control variables – insulating layer, initial temperature, time taken

$$\Delta E = m \times c \times \Delta \theta$$



Method:

1. Using the balance, measure and record the mass of the copper block in kg.
2. Wrap the insulation around the block.
3. Put the heater into the large hole in the block and the block onto the heatproof mat.
4. Connect the power pack and ammeter in series and the voltmeter across the power pack.
5. Using the pipette, put a drop of water into the small hole.
6. Put the thermometer into the small hole and measure the temperature.
7. Switch the power pack to 12V and turn it on.
8. Read and record the voltmeter and ammeter readings – during the experiment, they shouldn't change.
9. Turn on the stop clock and record the temperature every minute for 10 minutes.
10. Record the results in the table.
11. Calculate work done and plot a line graph of work done against temperature.

Equations

$$E = \frac{1}{2}mv^2$$

$$E_p = mgh$$

$$E_e = \frac{1}{2}ke^2$$

$$\Delta E = m \times c \times \Delta \theta$$

$$p = \frac{F}{A}$$

$$p = \frac{W}{t}$$

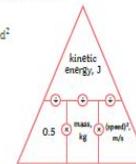
Kinetic and Potential Energy Stores

Movement Energy

$$\text{kinetic energy} = \frac{1}{2} \times \text{mass} \times \text{speed}^2$$

$$E_k = \frac{1}{2}mv^2$$

(J) (kg)(m/s)

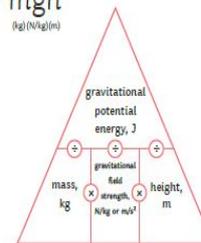


When something is off the ground, it has gravitational potential energy

$$\text{gravitational potential energy} = \text{mass} \times \text{gravitational field strength} \times \text{height}$$

$$E_p = mgh$$

(J) (kg)(N/kg)(m)



When an object falls, it loses gravitational potential energy and gains kinetic energy.

Stretching an object will give it elastic potential energy.

$$\text{elastic potential energy} = \frac{1}{2} \times \text{spring constant} \times \text{extension}^2$$

$$E_e = \frac{1}{2}ke^2$$

(J) (N/m)

Transferring Energy by Heating

Heating a material transfers the energy to its thermal energy store - the temperature increases.

E.g. a kettle: energy is transferred to the thermal energy store of the kettle. Energy is then transferred by heating to the water's thermal energy store. The temperature of the water will then increase.

Some materials need more energy to increase their temperature than others.

change in thermal energy = mass × specific heat capacity × temperature change

$$\Delta E = m \times c \times \Delta \theta$$

(J) (kg) (J/kg°C) (°C)

Specific heat capacity is the amount of energy needed to raise the temperature of 1kg of a material by 1°C.

Retrieval Strategy 3- Flash Cards

1.Short and simple is the key: Your aim should be to find the smallest amount of information possible to put on the card, yet make sure that it still contains the most important facts – and only those.

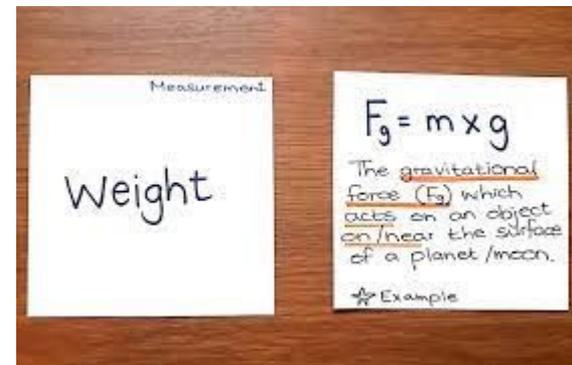
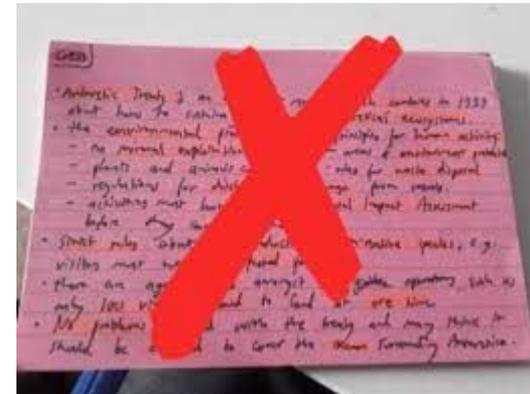
2.Include pictures/colours/diagrams: This will make the flashcards more memorable and research shows you are more likely to remember text if there are pictures.

3.Break down content into separate cards: No matter how short all individual facts may be, if you try to cram too much onto one card it defeats the purpose of quick revision.

4.Choose variety in posing questions: Not all subjects come in an already-made Q&A format. That does not mean that you cannot use flashcards to study. Sometimes it will be necessary to become creative.

5.Ensure they work from both sides

Action: make some effective flashcards



[Top Tips Video](#)

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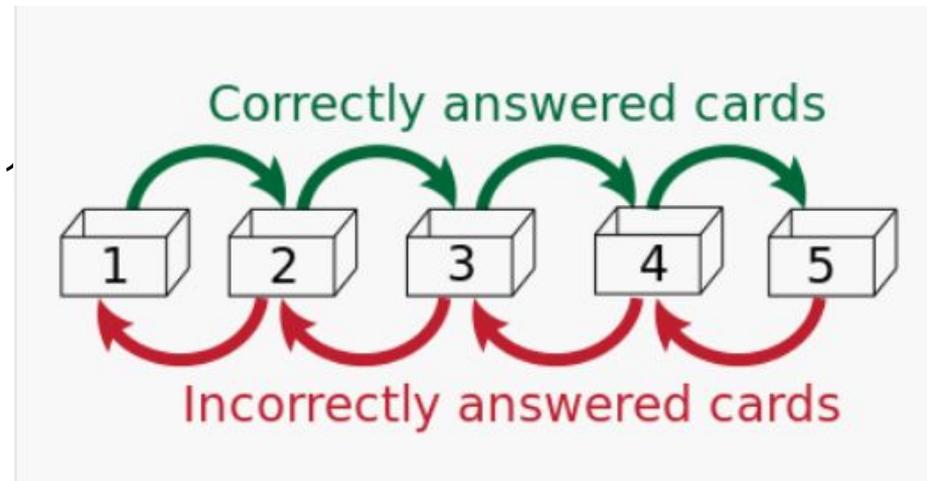
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- Retrieval Strategy 3 Flashcards- The Leitner System

Day 1:

- Write 1,2,3,4,5 on a post it note or piece of paper .
- Place your flashcards under the correct paper. you don't know it to 5, you've mastered it.
- Start to revise and revisit the topics you don't know.
- When you feel you have made progress and know the information and can recall it, move it up a position.
- Repeat this process until you can recall everything.



Action, when you have your flashcards, attempt the Leitner system

[Tops tip video](#)

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Retrieval Strategy 4- GCSEPod / Mathswatch

- Log on, Log in and quiz. If you do not get the score you want, rewatch the pod or video again, make notes and quiz again.

[GCSEPod Parent Guide](#)

[GCSEPod Student Guide](#)

Action: get logged in and start quizzing

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Retrieval Strategy 5- Past Papers

- The best revision strategy of all, you must use them with mark schemes
- Help get used to reading command words carefully to understand what the question is asking of you!
- Help to make sure that you are managing your time well.
- Help you to identify gaps, if you miss marks, make a note of the topics and revise them
- Help to show if your revision has been effective
- Help to consolidate your knowledge. Revise a topic and test against exam criteria

[revision world](#) has vast amount of past papers and mark schemes

Action: Add past papers to your revision strategy

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- Thank you for your time, we will continue to keep you updated of all information
- Please spend some time putting a timetable together and actioning our suggested activities
- If you have any further questions, please speak to one of the members who are not in subject areas in the Maths corridor

Important Date to add to the calendar: Thursday 13th January 2022, Year 11 subject Parents' Evening. Due to Covid restrictions, this will once again be a virtual event using schoolcloud.

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