

Revision in Science

Course Guidance
Tiers and Grading
Science Revision Cycle
Revision Guidance

Science Course Information

Triple Science

3 x GCSE's

3 single grades: 9 - 1

6 x 1hr 15min exams

Foundation & higher tiers

20% extra content

33% extra curriculum
time

Combined Science

Equivalent of 2 x GCSE's

1 combined grade: 9-9 - 1-1

6 x 1hr 45min exams

Foundation & higher tiers

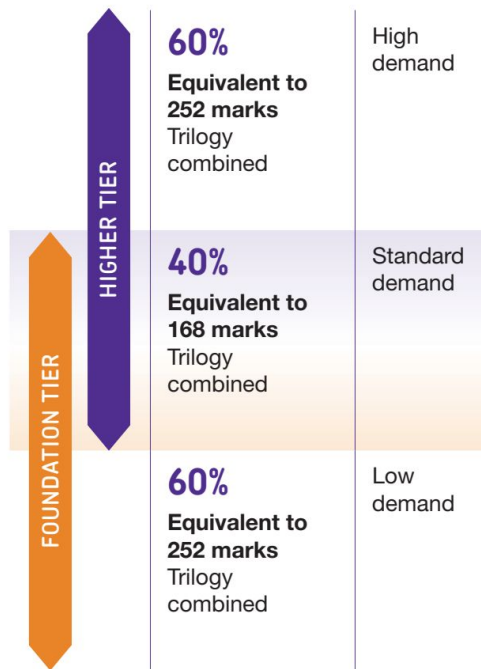
BIOLOGY, CHEMISTRY, PHYSICS	COMBINED SCIENCE
9	9-9
8	9-8 8-8
7	8-7 7-7
6	7-6 6-6
5	6-5 5-5
4	5-4 4-4
3	4-3 3-3
2	3-2 2-2
1	2-1 1-1
U	U

Combined Science Tiers

Higher	Foundation
9-9	
9-8	
8-8	
8-7	
7-7	
7-6	
6-6	
6-5	
5-5	5-5†
5-4	5-4
4-4†	4-4†
(4-3)‡	4-3
	3-3
	3-2
	2-2
	2-1
	1-1
U	U

Question Demand

The level of demand of the questions in each tier will determine the suitability for each individual.



30% of the marks are common between tiers. These are standard demand.

There are no low demand questions on the Higher tier.

Triple Science Tiers

The grades available on each tier have changed from the legacy papers.

The Foundation tier reaches a grade 5 (equivalent to the bottom end of a grade B on the legacy specifications).

Legacy GCSE science		Current GCSE science	
Foundation	Higher	Foundation	Higher
			9
	A*		8
	A		7
			6
	B	5	5
C	C	4	4
D	D	3	(3)
E	(E)	2	
F		1	
G			
U	U	U	U

The shaded area denotes the tier overlap grades available on the current vs legacy GCSE sciences.

The tier overlap grades are at a higher level of demand than on the legacy specifications.

Science Revision

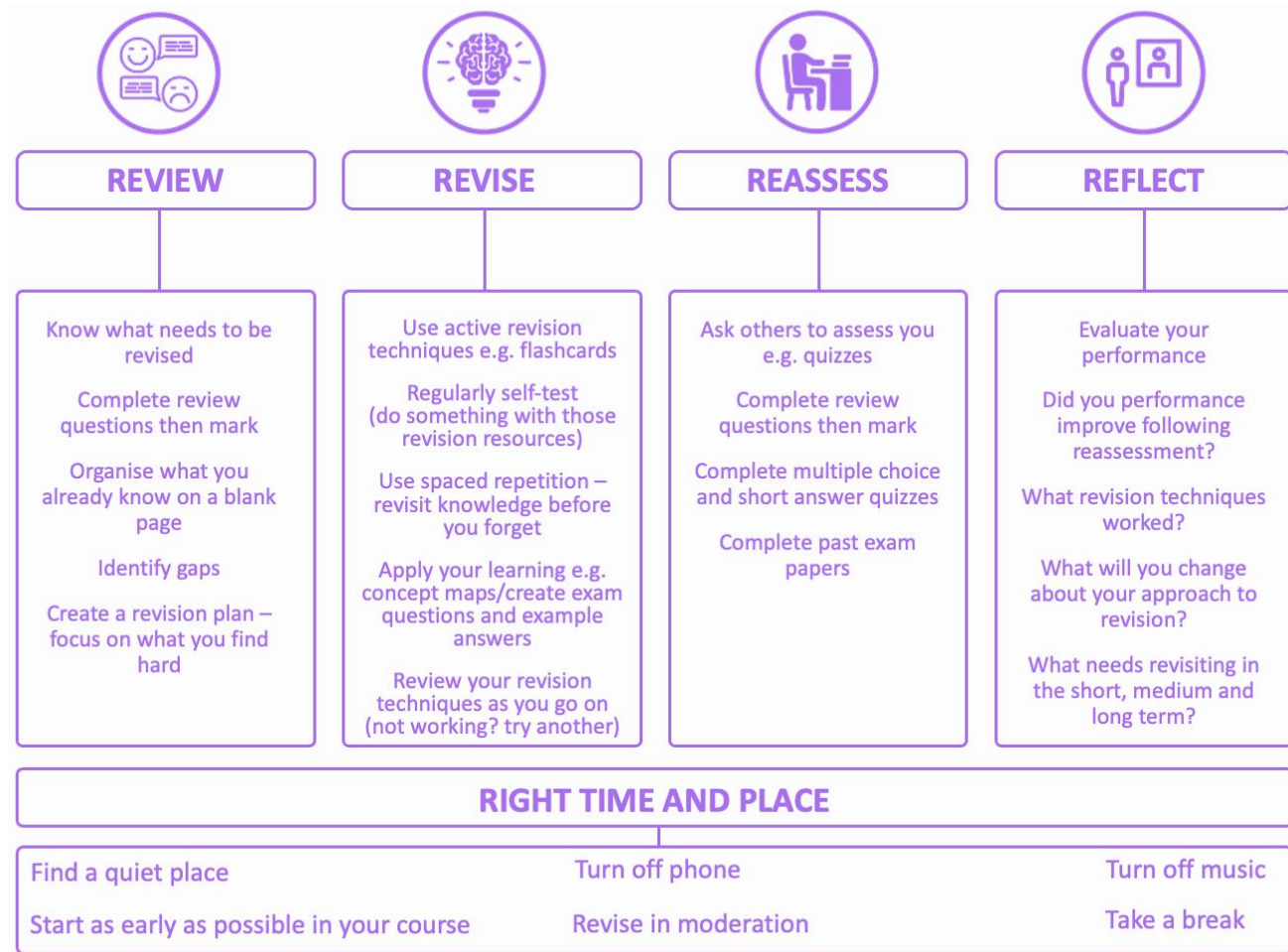
Priority:

The science curriculum is large and can become overwhelming.

Revision has to start **now**.

Students must start by **reducing** the content into manageable, bitesize resources.

Then follow the revision cycle to the right.



Revision Resources

Google Classroom



GCSE COMBINED SCIENCE: TRILOGY (8464)

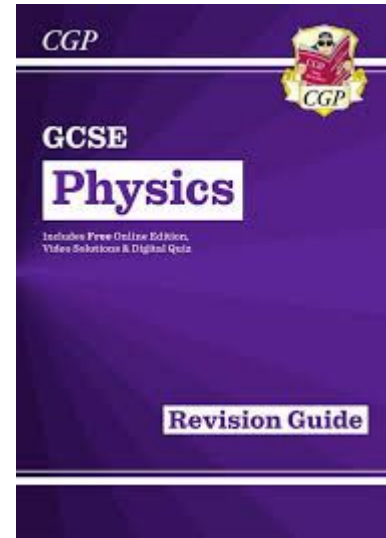
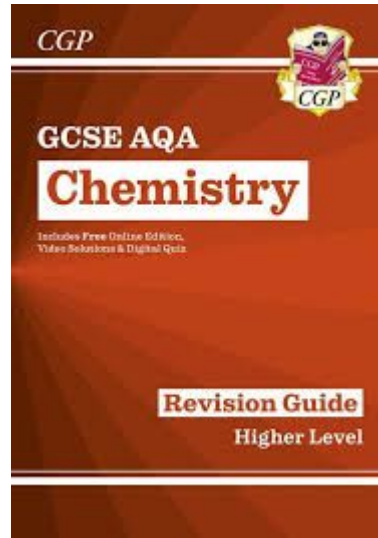
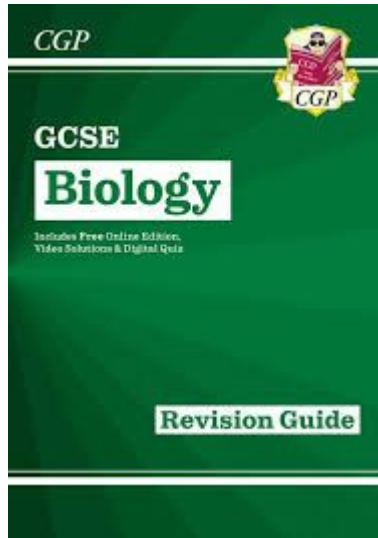
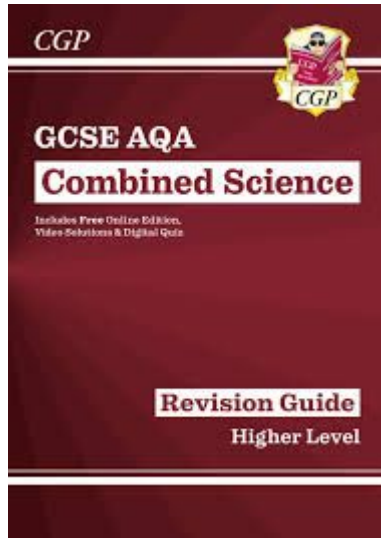
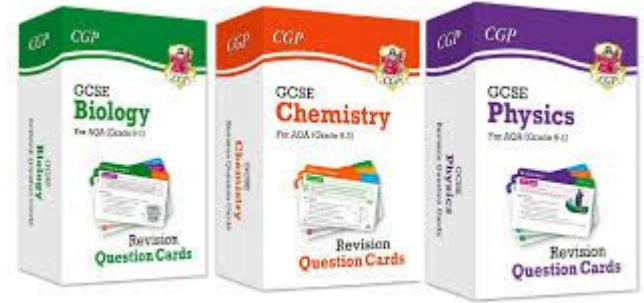
Specification

For teaching from September 2016 onwards
For exams in 2018 onwards

Revision Resources

Flashcards

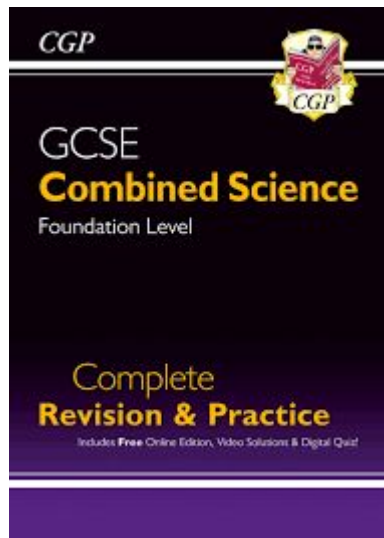
CGP Revision Guides



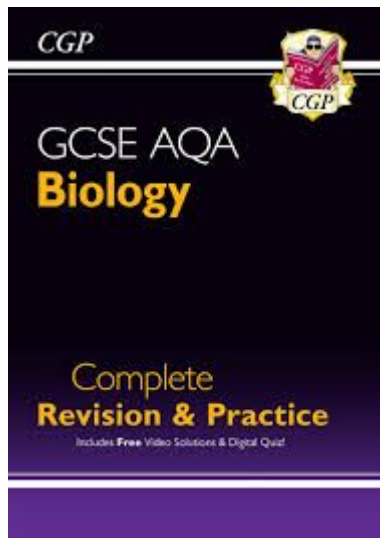
Every student was provided with a full pack of revision resources last year.

Revision Guides & Resources

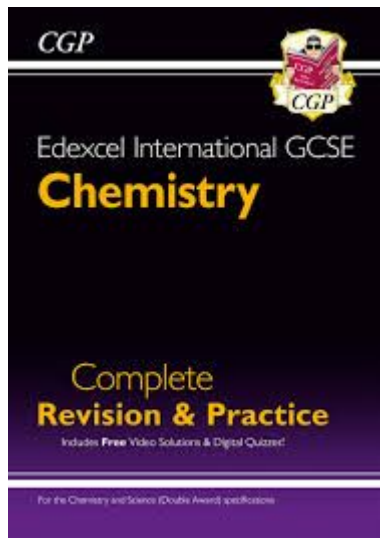
CGP Revision & Practice



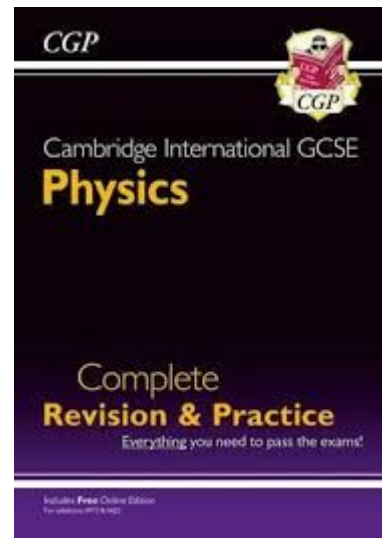
£18.99



£13.99



£13.99



£13.99



Carousel Online Learning Platform:

Available to students after half term

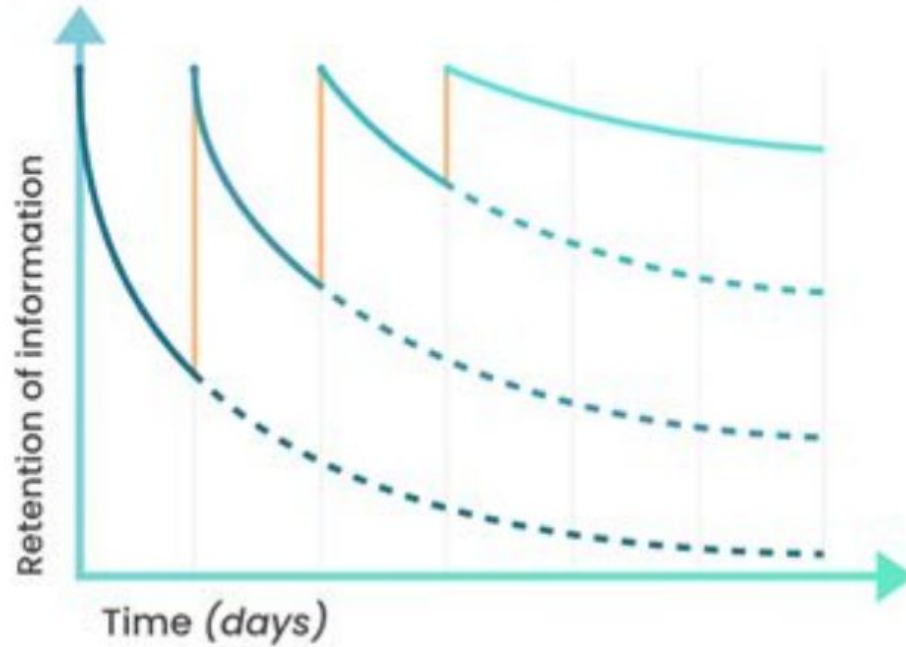
Home learning

Revision

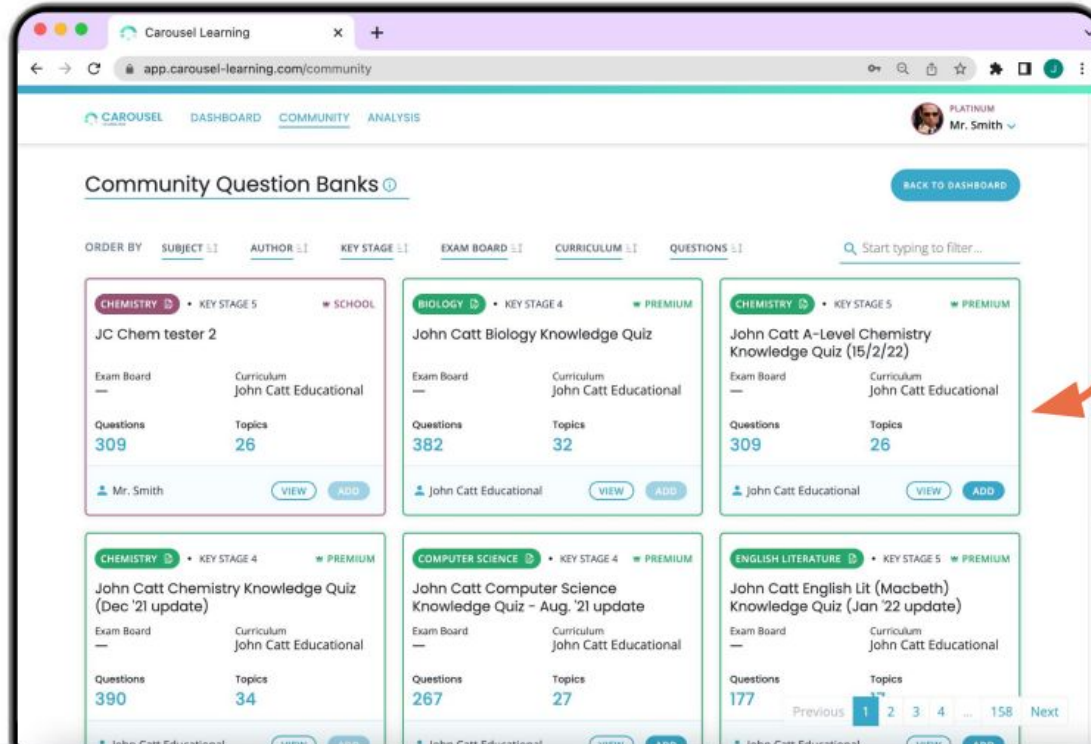
Why retrieval practice specifically?



The Forgetting Curve



Everything is built around Question Banks & topics



3,000+
question
banks in our
Community

Question Banks can be School- or even MAT-wide



All Question Banks are editable/customisable to match *your* curriculum the way *you* teach it.

School / MAT
subject leads can
create QBs for
teachers to access

Premium QBs are
from our partners
(e.g. John Catt /
Springboard
Science)

My Question Banks			Archived ☐	+ CREATE NEW
SUBJECT	TITLE	TYPE		
BIOLOGY	B7 Lifestyle and disease	SCHOOL	...	
ENGLISH LITERATURE	Carousel for English webinar Question Bank	MAT	...	
GEOGRAPHY	Countries and capitals	PRIVATE	...	
BIOLOGY	John Catt Biology Knowledge Quiz	PREMIUM	...	
CHEMISTRY	Combined Science Chemical Calculations V2	COMMUNITY	...	

Private QBs are
created by you and
can't be seen by other
users

Members of our
community create and
share QBs that others
can access and edit

Teacher dashboard - My Question Banks area

C-Scores helps you work out the most powerful questions to include in a quiz



Select Questions 7y/Sc2 x v AVG. C-SCORE SELECT QUESTIONS TO SHOW SELECT RANDOM

#	QUESTION	ANSWER	C-SCORE
☐ 29	What causes gas pressure?	Particles colliding with the sides of container	
☐ 30	In what three ways can you increase gas pressure?	Add more particles, make the container smaller, increase the temperature	
☐ 31	What happens to the particles in a substance when it is heated up?	They move faster	
☐ 32	Why does increasing temperature increase pressure?	P	
☐ 33	When salt is added to water and stirred, what happens?	T	
☐ 34	When a solid dissolves in a liquid, what is formed?	A	
☐ 35	What do we call the solid that dissolves in a liquid?	S	
☐ 36	What do we call the liquid that a solid dissolves into?	S	
☐ 37	What is the law of conservation of mass?	T	
☐ 38	What is a pure substance?	A	

This question's C-Score is 9 because:

- The question has been asked once before 3 pts
- It was last asked more than 13 weeks ago 5 pts
- The average % correct last time was 85.19% 1 pt

See [this article](#) for more information.

04 7PE ENERGY (ST
SFER
RGY (C
RGY (C
RGY (C
RGY (C
RGY (C

04 7PE ENERGY (RE

Hover over a question to see its C-Score - a composite measure that helps you decide which are your most powerful questions to ask next.

C-Scores for Whiteboard mode !



Whiteboard Quiz - Tue 21 Nov 2023

9y/Ba1



Show multiple choice answers



Hide score input sliders



CHANGE SETTINGS

SHOW ALL ANSWERS

1 Describe two main features of the Dalton model of the atom



ANSWER

2 What happens when like charges come into contact?



ANSWER

3 What are the four main historical models of the atom?



ANSWER

4 What is charge?



ANSWER

5 Describe two main features of the plum pudding model of the atom



ANSWER

6 Describe two main features of the Bohr (electron shell) model of the atom

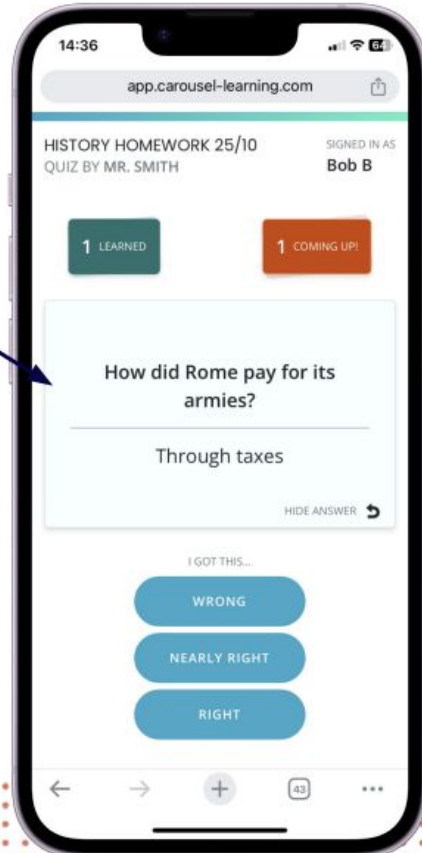


ANSWER

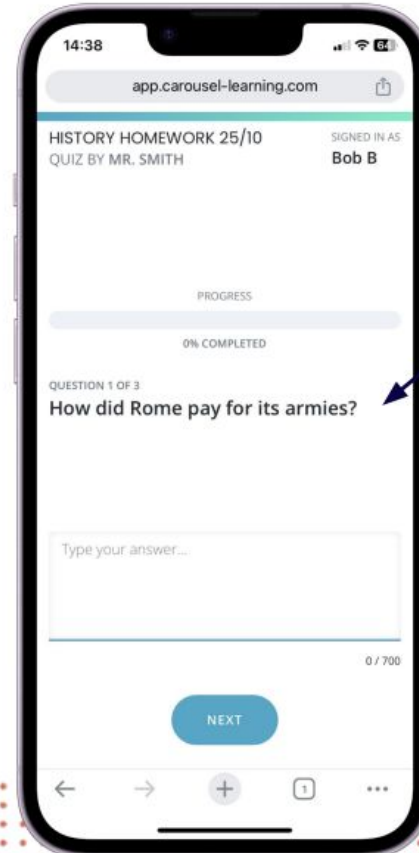
Students revise with flashcards then self-test in a homework quiz



Start by revising in flashcard mode. This is for the student only - answers are not shared with teachers, and is a good opportunity for parents and guardians to be involved.



Once the pupil feels confident they've mastered the required knowledge, they take a quiz (can be free text or MCQ).



Students can learn independently



Carousel Learning

app.carousel-learning.com/quiz/5e271df9-82ee-4dfb-8105-aed55f1469b0/test

DASHBOARD COMMUNITY ANALYSIS

PLATINUM Mr. Smith

QUIZZES STUDY PACKS WHITEBOARD

Study Packs

ARCHIVED ☐ Start typing to filter... [+ CREATE NEW](#)

SUBJECT	TITLE	CLASS	CREATED	ACTIONS
CHEMISTRY	Valentine's Day Study Pack	8x/Ar1	2022-02-14	***
RELIGIOUS EDUCATION	RE Study Pack	12D/Ar1	2022-01-25	***
BIOLOGY	Platinum test SP	7GRN/Mu	2021-09-08	***

My Question Banks

ARCHIVED ☐ [+ CREATE NEW](#)

SUBJECT	TITLE	TYPE	ACTIONS
MATHEMATICS	Addition and subtraction	PRIVATE	***
CHEMISTRY	GCSE AQA Chemistry V3	COMMUNITY	***
CHEMISTRY	JC Chem tester 2	SCHOOL	***
BIOLOGY	John Catt Biology Knowledge Quiz	PREMIUM	***
CHEMISTRY	John Catt Chemistry Knowledge Quiz (Dec '21 update)	PREMIUM	***

My Classes

ARCHIVED ☐ [+ CREATE CUSTOM CLASS](#)

CLASS	SUBJECT	YEAR	TYPE	ACTIONS
12D/Ar1	ART	YEAR 12	SCHOOL	***
13D/Ar1	ART	YEAR 13	SCHOOL	***
8x/Ar1	ART	YEAR 8	SCHOOL	***
9x/Ar1	ART	YEAR 9	SCHOOL	***
Ad hoc class 1	CHEMISTRY	YEAR 11	CUSTOM	***

STUDY PACK BY MR PERRY

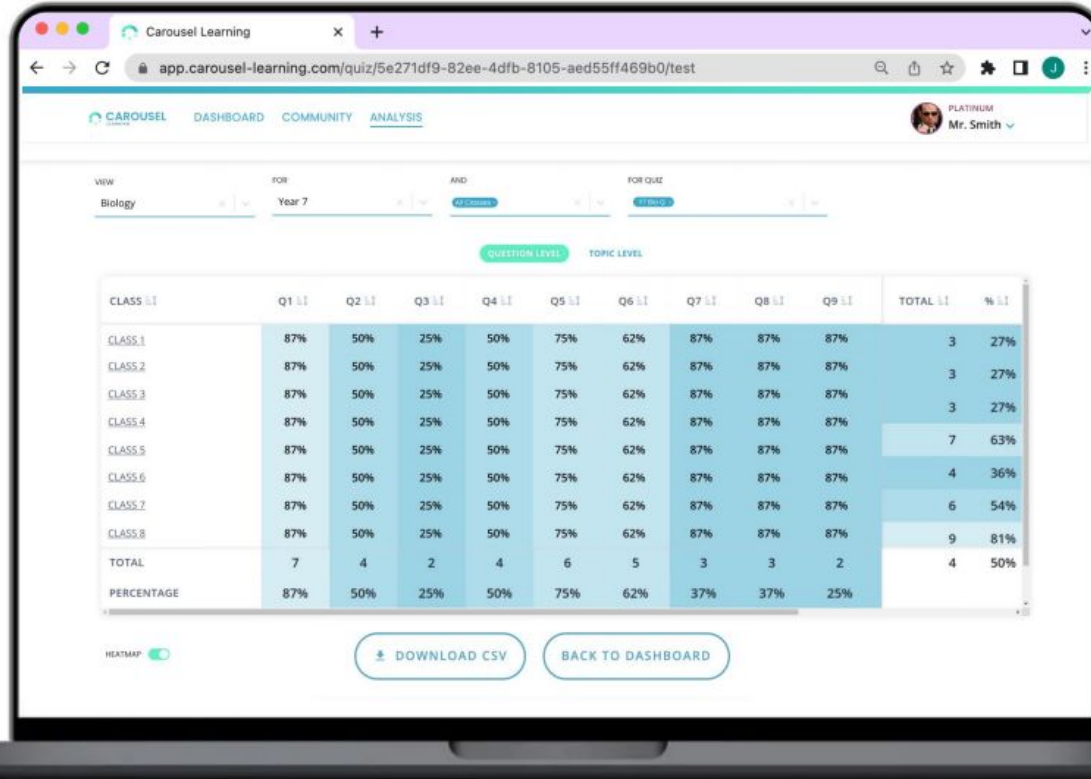
REVISE

GENERATE QUIZ

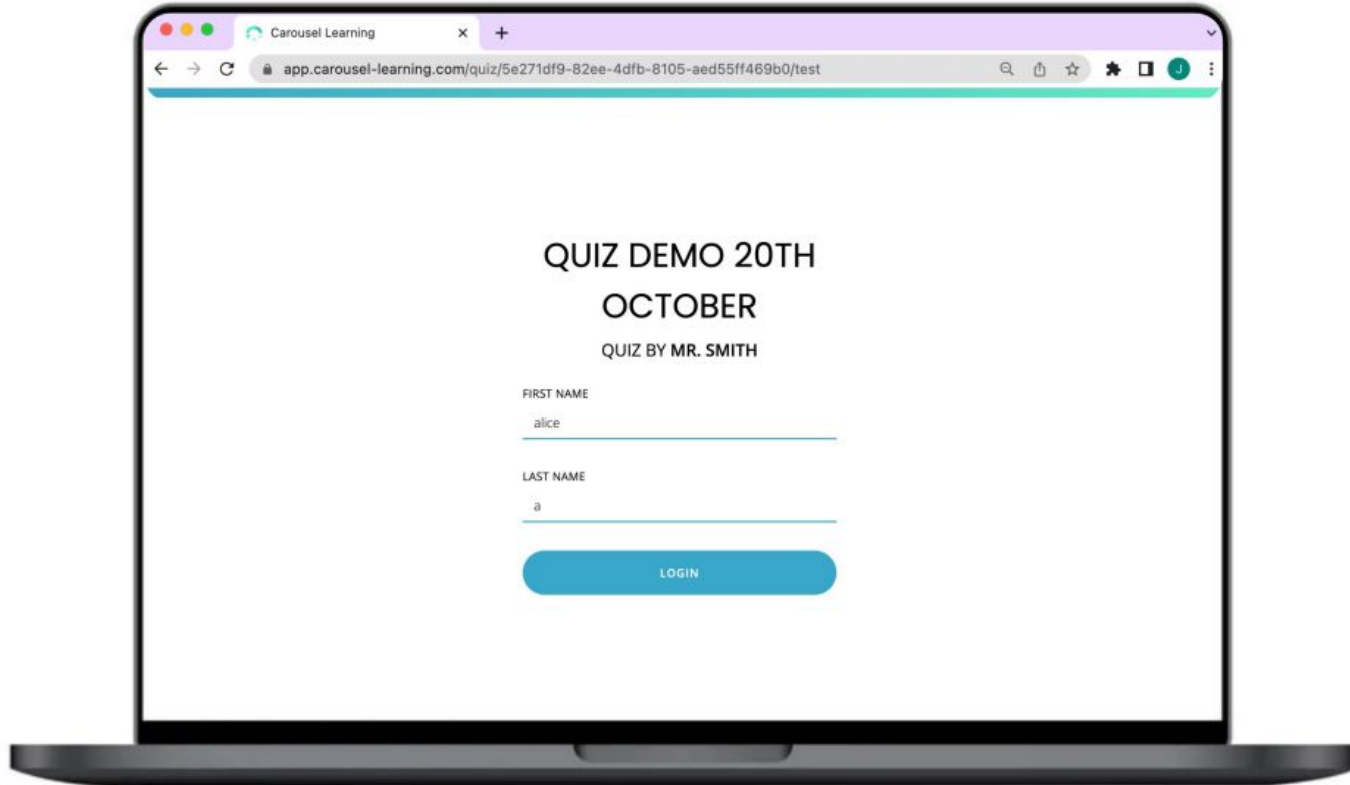
QUIZ 1

WHOLE BANK

There's loads of analytics at question/topic/usage levels



Students sign in with just their name - no passwords!

A laptop is shown from a front-facing perspective, displaying a web browser. The browser's address bar shows the URL 'app.carousel-learning.com/quiz/5e271df9-82ee-4dfb-8105-aed55ff469b0/test'. The page content is centered and includes the title 'QUIZ DEMO 20TH OCTOBER' and 'QUIZ BY MR. SMITH'. Below this are two input fields: 'FIRST NAME' with the value 'alice' and 'LAST NAME' with the value 'a'. At the bottom is a blue 'LOGIN' button.

Carousel Learning

app.carousel-learning.com/quiz/5e271df9-82ee-4dfb-8105-aed55ff469b0/test

QUIZ DEMO 20TH
OCTOBER

QUIZ BY MR. SMITH

FIRST NAME

alice

LAST NAME

a

LOGIN

Other Online Revision Resources



GCSEpod



Cognito



Seneca

Other useful resources:

Youtube - Free Science Lessons, Malmesbury Science - Required Practical Videos

How can you help as a parent?

- Ask about your child's subjects and their progress
- Revision timetable - help your child to structure their revision
- Provide a structured quiet space and specific time for revision
- Provide support/guidance by sitting and explaining in a different way
- Ensure revision is being done regularly - small but often
- Test your child - flashcards, revision guides etc...
- Encourage your child to follow the 4 R's
- Ensure your child is accessing all online resources available to them, whether free or provided by the school
- Contact your child's science teacher or myself if you have any questions