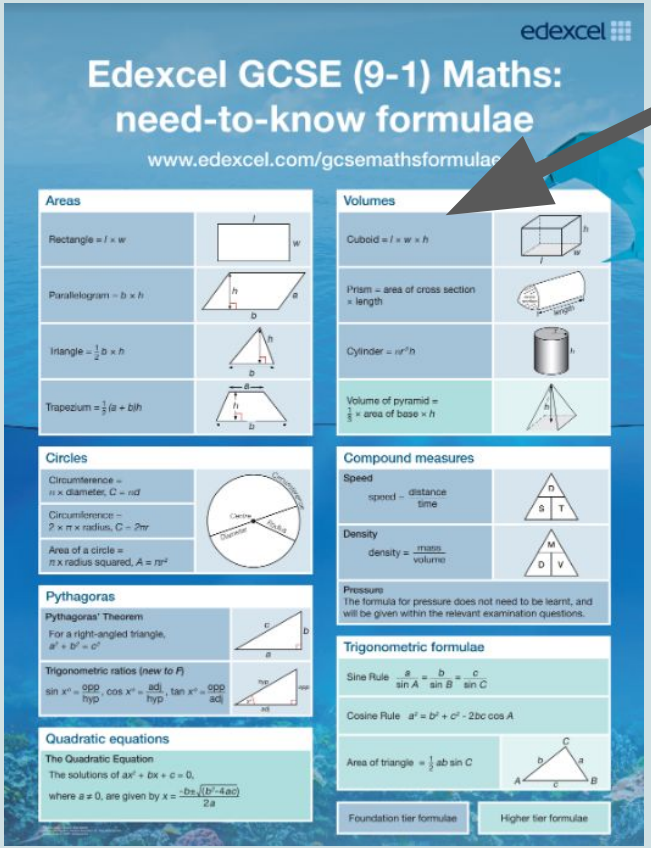
Welcome - Do now!



The dark blue boxes show the formulae that EVERY student at school must LEARN.

Spend some time looking through to see if you can remember which of these formulae have already been covered in year 9

How can IT support learning?
Also known as….

Computer Assisted Learning

E learning

Online Learning

An overview of some of the resources that students have available to them

Chromebooks for all - every student has online access in every lesson and at home

Thank you to every parent that has been able to pay the £20 maintenance agreement (please contact us if this has been a problem)

It means that we have been able to fix 7 chromebooks in year 10 quickly so that students always have access to online resources in every lesson (104 across the school)

Thank you to every student that remembers to charge their chromebook at home and has it in every lesson everyday

Maths Dept Using IT to aid learning

Students self assessing and links to individual resources that will help them make progress

Look in students' google classroom

e-PLC

e-PLC

All students should be able to access their electronic Personalised Learning Checklist from the mathematics google classroom

Unit	Algebra
	Algebra: the basics
A1	I can write and simplify an algebraic expression
A1	I can distinguish between an expression, equation, formula and identity
A1	I can use index notation to multiply algebraic terms
A1	I can use index notation to divide algebraic terms
A1	I can recognise the 'not equal to' and 'identity' symbols
	Expanding and factorising single brackets
A2	I can expand over a single bracket
A2	I can factorise using a single bracket
A2	I can simplify expressions involving brackets (expand, then add/subtract)
	Expressions and substitution into formulae
A3	I can substitute into an expression or formula
A3	I can write and use a formulae
A3	I can substitute values into common Physics formulae
	Equations
A4	I can solve an equation with 1 unknown
A4	I can solve two step equation problems choosing appropriate operations (all four operations)
A4	I can create and solve a two step equation

Topics covered in year 9

The first algebra topic covered in year 10

Students rate their understanding on their e PLC

Rating (1-Revisit, 2-Practise, 3-Confident)	Corbett Video	MyMaths task	Exam questions	Exam solutions
1	Video			

Rating (1-Revisit, 2-Practise, 3-Confident)	Corbett Video	MyMaths task	Exam questions	Exam solutions
2		Practise		

Rating (1-Revisit, 2-Practise, 3-Confident)	Corbett Video	MyMaths task	Exam questions	Exam solutions
3			Exam Qs	Solutions

JustMaths

Simplify / Expand & Simplify (F)

A collection of 9-1 Maths GCSE Sample and Specimen questions from AQA, OCR, Pearson-Edexcel and WJEC Eduqas.

Name:	
Total Marks:	

1. Show that 4(a + 3) - 3(a - 2) = a + 18.

[2]

JustMaths

Simplify / Expand & Simplify (F)

A collection of 9-1 Maths GCSE Sample and Specimen questions from AQA, OCR, Pearson-Edexcel and WJEC Eduqas.

Name:	Nikki @mathszest
Total Marks:	

1. Show that 4(a + 3) - 3(a - 2) = a + 18.

$4a + 12 - 3a + 6$

$= a + 18$

[2]

Maths Dept Using IT to aid learning

Students doing work and getting instant feedback on how they have done (in class and at home)

MyMaths

Welcome To

MathsPad

Learning of the maths key knowledge homework for this half term

1 Drag the numbers on the right to their correct place:

$\frac{4}{50}$ = ☐

190% = ☐

4% = ☐

$\frac{4}{20}$ = ☐

400% = ☐

$\frac{9}{25}$ = ☐

90% = ☐

$\frac{9}{50}$ = ☐

0.4	8%
0.04	80%
4	18%
0.8	0.36
0.9	20%
1.9	0.19

[8]

Reset Check

MFL Dept Using IT to aid learning

Something that is specific to MFL students

ActiveLearn

Secondary Modern Languages

Teacher sets a task and results come to teacher
Students can access any of the exercises at any time for independent revision.

Something that can work for any subject!

Flashcard quiz and more

What is Seneca?

A popular revision and homework platform

Who can access it?

All students have access to Seneca we have purchased Seneca Premium for enhanced content such as exam questions AI marked and exam BOOST

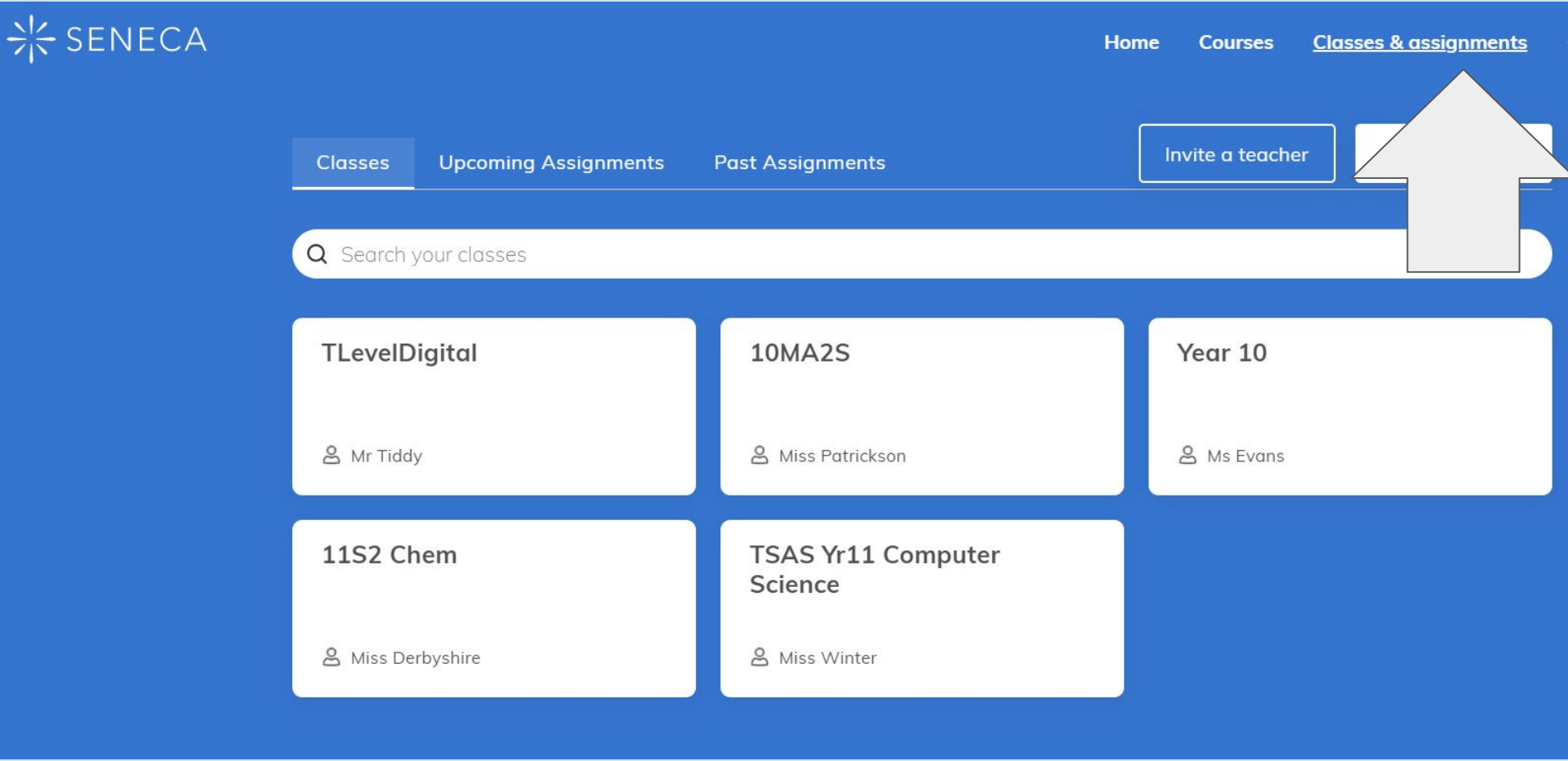
How do they access it?

Automatically signed in as access voia RM UNIFY

What subjects are on Seneca?

Biology // Business // Chemistry // Coding // Combined Science // Computer Science // DT // Economics // English // Food Prep // French // Geography // German // History // Maths // Media // Music // PE // Physics // Politics // Psychology // RS // Science // Sociology // Spanish

- **How effective is Seneca?**
- Seneca helps your child 'learn 2x faster'!
- **What makes Seneca effective?**
- Techniques to enhance memory and understanding based on neuroscience
- Increasing understanding and engagement


SENECA
Home
Courses
Classes & assignments
Classes
Upcoming Assignments
Past Assignments
Invite a teacher
Search your classes
TLevelDigital
Mr Tiddy
10MA2S
Miss Patrickson
Year 10
Ms Evans
11S2 Chem
Miss Derbyshire
TSAS Yr11 Computer Science
Miss Winter

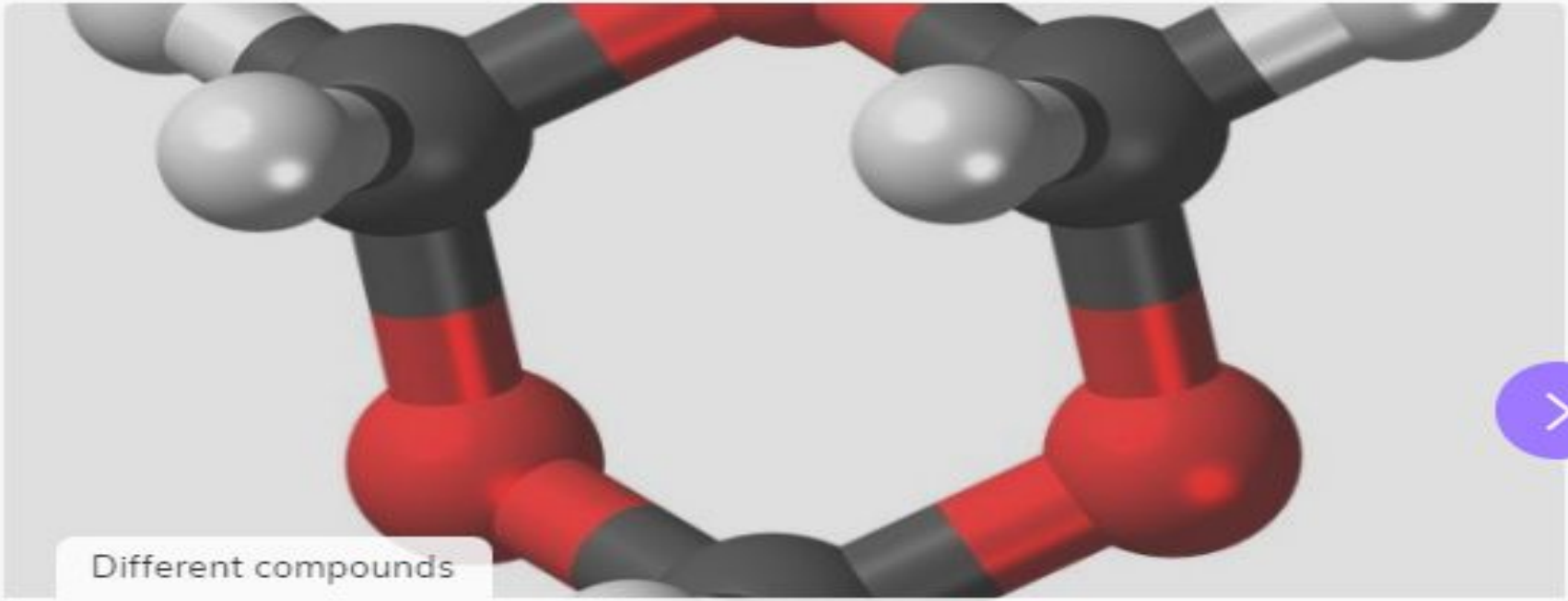
How do you want to study?

Revise content

Exam prep

Compounds

Atoms of different elements can be combined together to create compounds. Compounds have formulae that are made by combining the chemical symbols of the elements that combine to make them.



Different compounds

- Combining different atoms creates different compounds. There are a lot of combinations that can be created.
- A compound is made up of at least 2 different elements.

Which of the following are compounds?

H_2O

H_2

Na

Na_2CO_3

O_2

CO

The answer is incorrect

Feedback?

Which of the following are compounds?

H_2O	H_2
Na	Na_2CO_3
O_2	CO

The answer is correct

Chemistry: AQA GCSE Higher →

Smart learning 1

Boost your memory strength with our smart algorithm's suggestions

4.4.1 Electrolysis & Metal Extraction

Chemistry: AQA GCSE Higher →

Wrong answers

Amazing! You don't have any wrong answers right now!

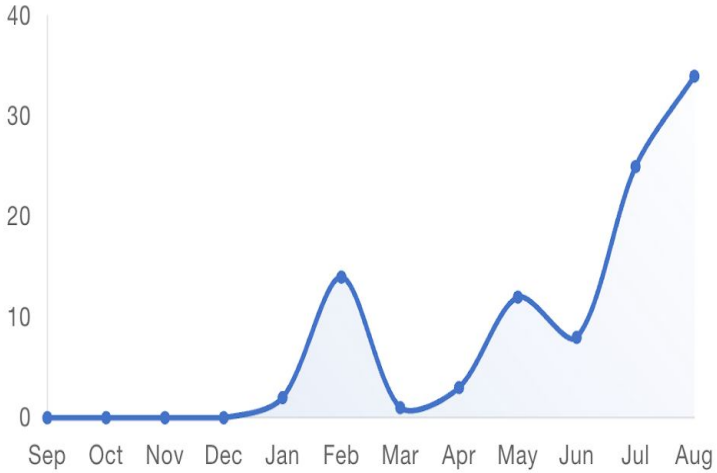
Alexander Rowland alex@sene...

Send daily gift

Upgrade Alexander to Premium

Alexander's study time (mins)

Last year



Alexander's recent activity

- Scored 83% and won 27XP in Exception Words — 1h ago
- Scored 100% and won 33XP in Understanding New Words — 1h ago
- Finished assignment: Another Mr Fryer Assmt — 1d ago
- Scored 56% and won 44XP in How Can We Reduce the Global Development Gap? — 1d ago
- Scored 17% and won 22XP in Economic Causes of Uneven Development — 1d ago
- Scored 17% and won 22XP in Physical & Historical — 1d ago

SENECA

- Seneca is an online learning platform used in Schools
- The free parent platform allows you to monitor your child's progress
- To sign up simply scan the QR code with your phone camera or go to senecalearning.com/signup
- Once you have signed up connect your account to your child's

SCAN ME

- Here are some instructions for getting started:
- Click here to create a parent account (if you arrive at a login page, make sure to click on the 'Sign up' option)
- Click 'See your child's scores'
- Copy and share the unique link with your child (or you can use the e-mail or Whatsapp buttons)
- Ask them to open the link on their phone or laptop (whatever device they typically use Seneca with)
- Once they've successfully opened the link they'll see a linked confirmation
- Refresh the page on your parent account to review their progress.
- If you have any issues, you can find a video guide here.

To add a second or third child tap the "add another child" button - and repeat steps 3-6 above.

Something that students will use later in year 10 and into year 11

14 FULL sets (3 papers per sets) of examination papers

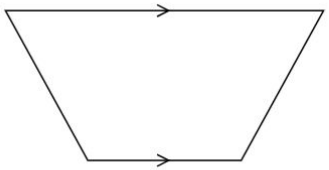
Computer marked for instant feedback

methodmaths

TEACHER viewing (10MA4N) | Mark 0 | Grade 0.00 | Next Grade 10

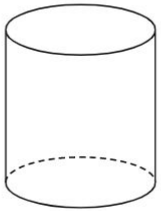
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

6 (a) Write down the mathematical name of this quadrilateral.



(1)

(b) Write down the mathematical name of this 3-D shape.



(1)

Unlocked papers will need to be attempted (in class but mostly for homework)

Full coloured blocks showing full marks achieved in that question

White means not answered. Half coloured blocks show only partly correct answers

30 (a) Make q the subject of $p = 6q + 7$

q =

(2)

(b) Simplify $(m^{-2})^{-3}$

6

m

1

(1)

A quiz to finish! Let's see what you can remember

[Gcse-maths-formulae-foundation-flash-cards/]

This quizlet will test the Foundation and Higher tier formulae and other important facts

Only look at the sheet if you really can't remember