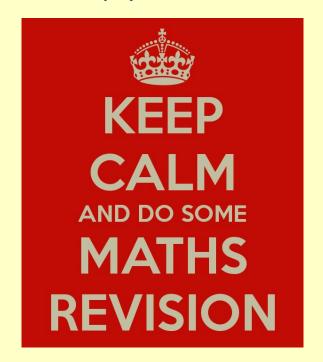
#### **How to Revise Maths**

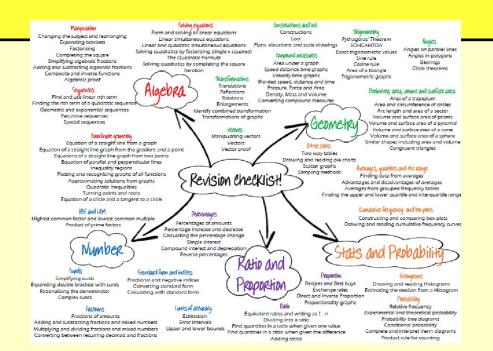
What can you do to help your child with Maths revision?

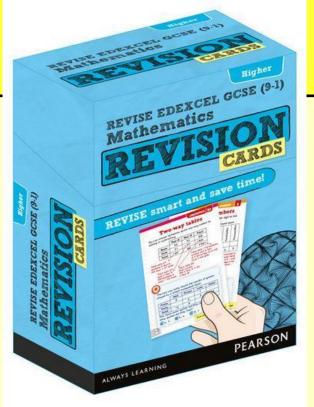


Mr Whittaker
Teacher of Mathematics
Second in Charge of Maths (responsible for KS4)
Whittaker\_T@bexleygs.co.uk

# 1. Make a list of topics to revise

- Revision cards
- Contents page of a revision guide
- Feedback from practice exam papers
- Scheme of work (link on Google Classroom)
- Revision checklist





BGS KS4 Maths Website Link to here should be on Google Classroom

Sets 1-3 SOW

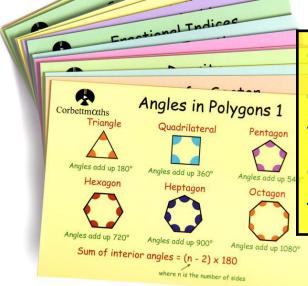
Link to resources

Page numbers refer to CGP Complete Revision and Practice book

Year 9 Autumn Term		Year 9 Spring Term		Year 9 Summer Term	
Unit 1: Solving Equations Page 32-33	4 Lessons	Unit 8 Representing and Analysing Data 1	8 lessons	Unit 13: Sets and Probability 1 Pages 161-162 and 169-170	9 Lessons
Unit 2: Decim s Pages 9-10	4 Lessons	Unit 9: Area and Volume 2	5 lessons	Unit 14: Transformations Pages 123-124	4 Lessons
Unit 3: Trigonom. Lin 2D 5 Jes 145-149 and 153-154 (excluding sine and cosine)	5 Lessons	Unit 10: Congruence and Similarity Pages 121-123	6 Lessons	Unit 15:Expanding, Factorising and solving quadratic Equations Pages 38-41	9 Lessons
Unit 4: Linear Graphs Page 64-70	9 Lessons	Unit 11: Formulae Page 34-35	6 Lessons	Unit 16: Constructions and Loci P136-138	6 Lessons
Unit 5:Area and Volume 1 P127-131	4 Lessons	Unit 12 Trigonometry in 3D	5 Lessons	Unit 17: Compound Measures Page 104-106	4 Lessons
Unit 6: Standard Form Pages 19-20	5 Lessons			Unit 18: Surds Page 30-31	6 Lessons
Unit 7: Indices Page 25-26	8 Lessons				

Year 10 Autumn Term		Year 10 Spring Term		Year 10 Summer Term	
Unit 19: Graphs Pages 72-78	10 Lessons	Unit 24: Trigonometry 2 Pages 148-152	10 Lessons	Unit 28: Inequalities Pages 50-52	8 Lessons
Unit 20: Quadratic formula and completing the square	6 lessons	Unit 25: Representing, Interpreting and Analysing Data 2 Pages 183-186	4 Lessons	Unit 29: Rates of Change Pages 82-86	6 Lessons
Unit 21: Approximations Pages 14-16	6 Lessons			Unit 30: Functions Page 60	6 Lessons
Unit 22: Fraction Percentages and Proportional	9 Lessons	Unit 26:Probability 2 Pages 166-168	7 Lessons	Unit 31: Circle Theorems Page 116-118	6 Lessons
Change Pages 6-9 and 98-100		Unit 27: Sequences Pages 46 and 53		Unit 32: Ratio, Direct and Inverse Proportion Page 89-95	8 lessons
Unit 23: Simultaneous Equations Pages 56-57	8 Lessons				

Year 11 Autumn Term		Year 11 Spring Term	Year 11 Summer Term
Unit 33 Histograms	4 Lessons		
Unit 34: Transformations of Functions Page 78	8 Lessons		

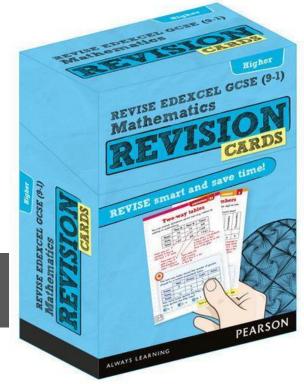


Corbett Maths sells excellent revision cards. They have QR links on the back which take you to revision videos, exam questions and solutions for the topic on the front of the card.

https://corbettmaths.com/revision-cards/

These revision cards are made specifically for Edexcel, and have a lot of detail on each card.

https://www.amazon.co.uk/REVISE-Edexcel-Mathematics-Higher-Revision/dp/129217322X

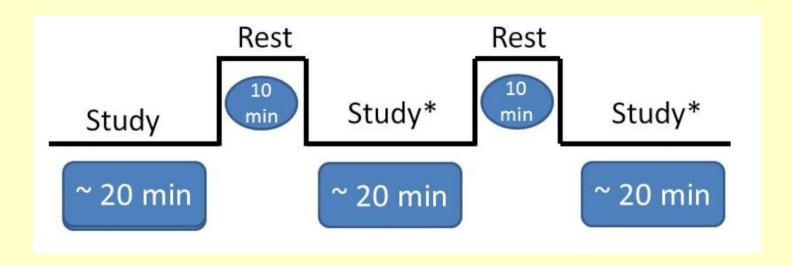


## 2. Plan when (and where) to revise

Make sure it is a quiet space. Remove distractions (e.g. mobile phone, computer games)

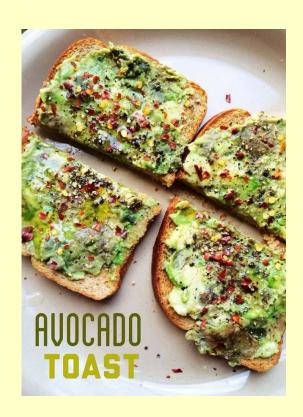
Plan to work in 20 to 30 minute chunks.

Take (short) breaks.



#### 3. Have little treats and things to look forward to.

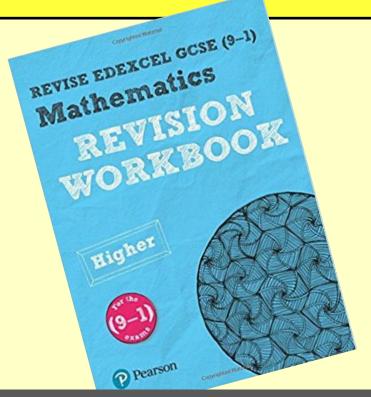
Rewards can help keep people motivated. Make sure these come **after** revision!



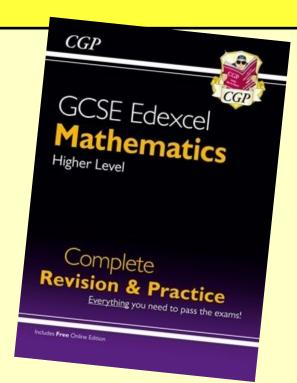
Healthy (but tasty) snacks are a good choice.

# 4. Don't just read through the textbook!

The only way to revise maths is to do maths.



https://www.amazon.co.uk/Revise-Edexcel-Mathematics-Revision-Workbook/dp/1292210885/ref=pd\_lpo\_sbs\_14\_t\_0?\_encoding=UTF8&psc=1&refRID=QY112608TYXD2S1NCYSK



You can purchase the CGP Complete Revision and Practice Book via ParentPay for £5.57 (RRP £10.99)

(Pay by 4<sup>th</sup> October and it should be in school by half term.)

https://www.cgpbooks.co.uk/secondary-books/gcse/maths/mxhs 43-gcse-maths-edexcel-complete-revision-pr

**5. Use the internet.** The internet is like having your own personal teacher who is available for you whenever you like.

Find which resources you like the most. Then use them to practice the topics on your revision list.







https://corbettmaths.com/5-a-day/gcse/



#### https://corbettmaths.com/

This website has some fantastic revision videos.

The 5-a-day section is a great way to do some maths every single day. There is a choice of difficulty and the answers are available

https://corbettmaths.com/5-a-day/gcse/



Exam questions and solutions by topic, with links to videos to help you revise.

http://www.mathsgenie.co.uk/gcse.html

# Mathswatch

Use the "Resources" tab from the KS4 area (link should be on Google Classroom).



#### 6. Don't just practice the topics you can do.

Work on the difficult topics *now* rather than leave them until the exam!



#### 7. Make sure you ask for help.

You can't ask for help in the exam, but you can now!

Online videos, revision guides, friends, teachers, etc.

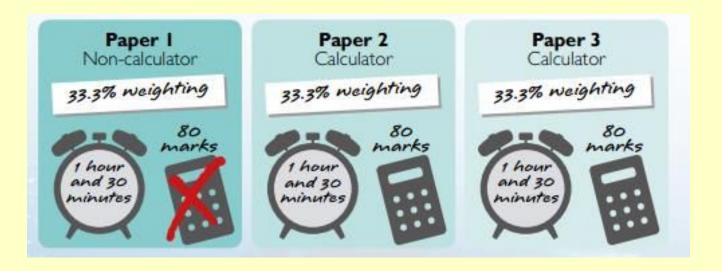


#### 8. Practice doing questions under exam conditions.

This will help you get used to the time pressure.

Once you've done that, you can go through the paper again in a different colour.

Don't leave lots of blanks in your practise papers!

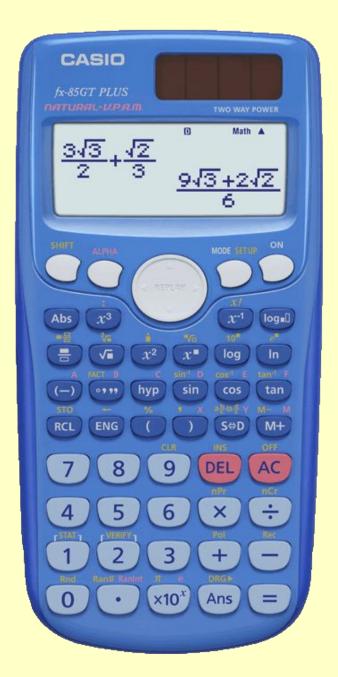


#### 9. Practice using your calculator

Do you know how to use all the functions on **your** calculator?

Could you reset it if you kept getting the "True/False" message?

To reset this Casio calculator, press shift then 9 and follow the instructions.



# 10. If it works for you, try revising with a friend for a bit of the time.

Explaining things to others can really help your own understanding. Don't distract each other though!

And if you work better on your own, that is fine.

#### 11. Most important of all, try not to worry.

But remember, it is natural to worry a little bit.



If you get too worried, just think of this cute panda.

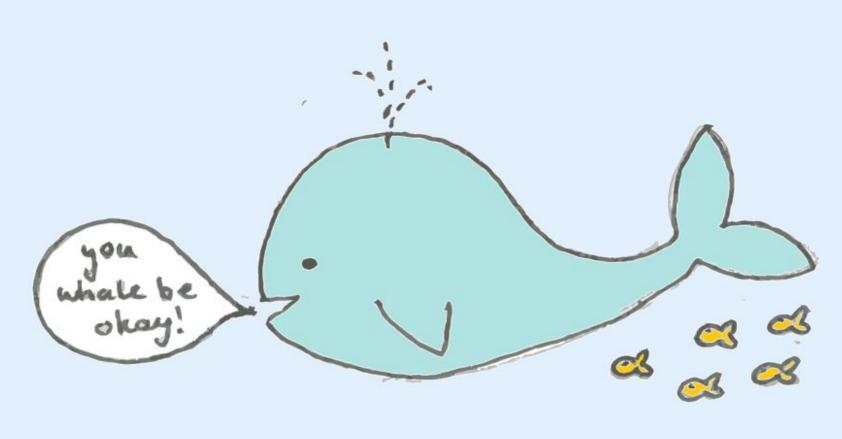
# 12. Look after yourself

Sleen

He

Exε

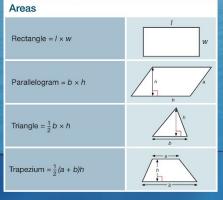
Tin





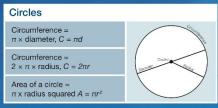
#### **Edexcel GCSE (9-1) Maths:** need-to-know formulae

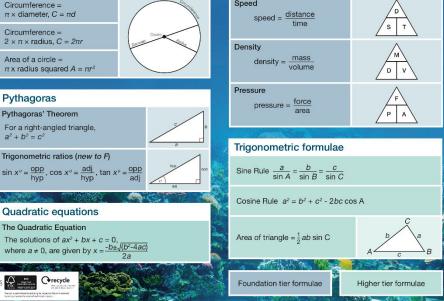
www.edexcel.com/gcsemathsformulae



Volumes	
Cuboid = $I \times w \times h$	h
Prism = area of cross section × length	const section length
Cylinder = $\pi r^2 h$	b
Volume of pyramid = $\frac{1}{3} \times \text{area of base} \times \text{h}$	

Compound measures





You do not get a formula sheet.

#### Learn the formulae!

You could make some flash cards and get people to test you.

**PEARSON** 

### Finally...

You probably know what works best for you, so feel free to ignore this advice if it doesn't suit you.

Happy revising!



- Make a list of topics to revise
- Plan when you are going to revise
- Give yourself little treats
- Don't just read through the textbook! The only way to revise maths is to do maths.
- Use the internet (not facebook)
- Don't just practice the topics you can do.
- Make sure you ask for help.
- Practice doing questions under exam conditions.
- 8. 9. Practice using your calculator!
- If it works for you, try revising with a friend for a bit of the time.
- Most important of all, try not to worry.
- Remember to look after yourself.