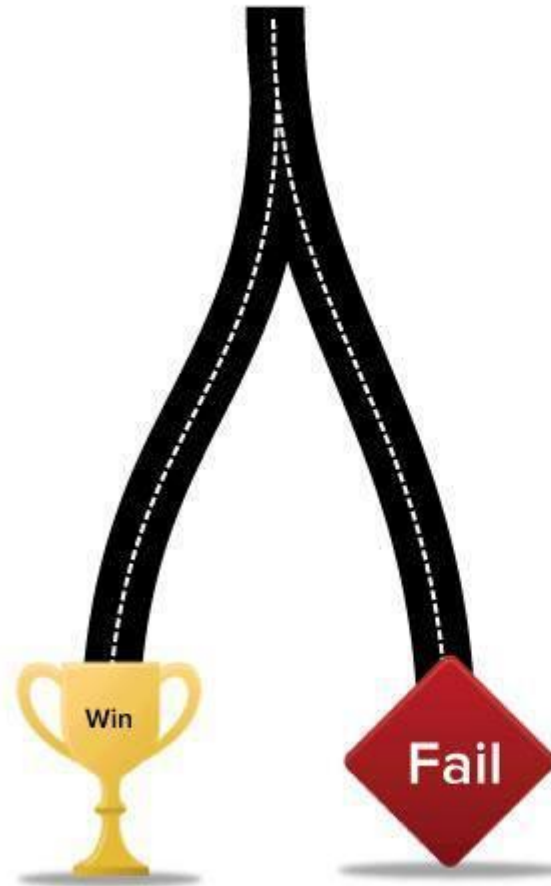
The background is a dark, textured surface with various white, chalk-like illustrations. These include a large letter 'V' in the top left, a globe in the top center, a microscope on the left side, a stack of books at the bottom left, a plus sign and a book in the bottom center, and a percentage sign and an exclamation mark on the bottom right.

Getting the best possible grade in maths – years 9-11

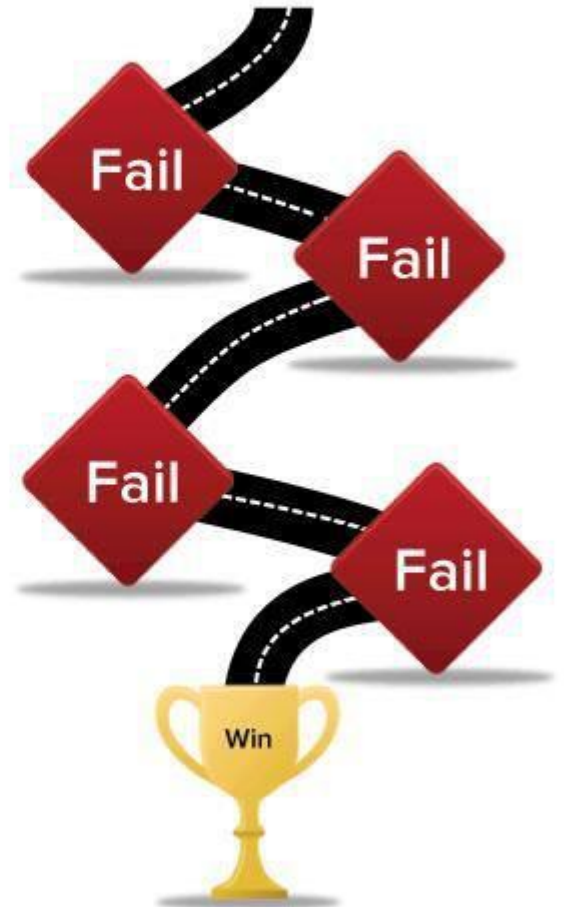
Mr J Flavell
Learning Leader for Maths

Growth Mindset

What Most
People Think



What Successful
People Know



@douglaskarr

If you hear your child saying



I can't do this...

Tell them to say



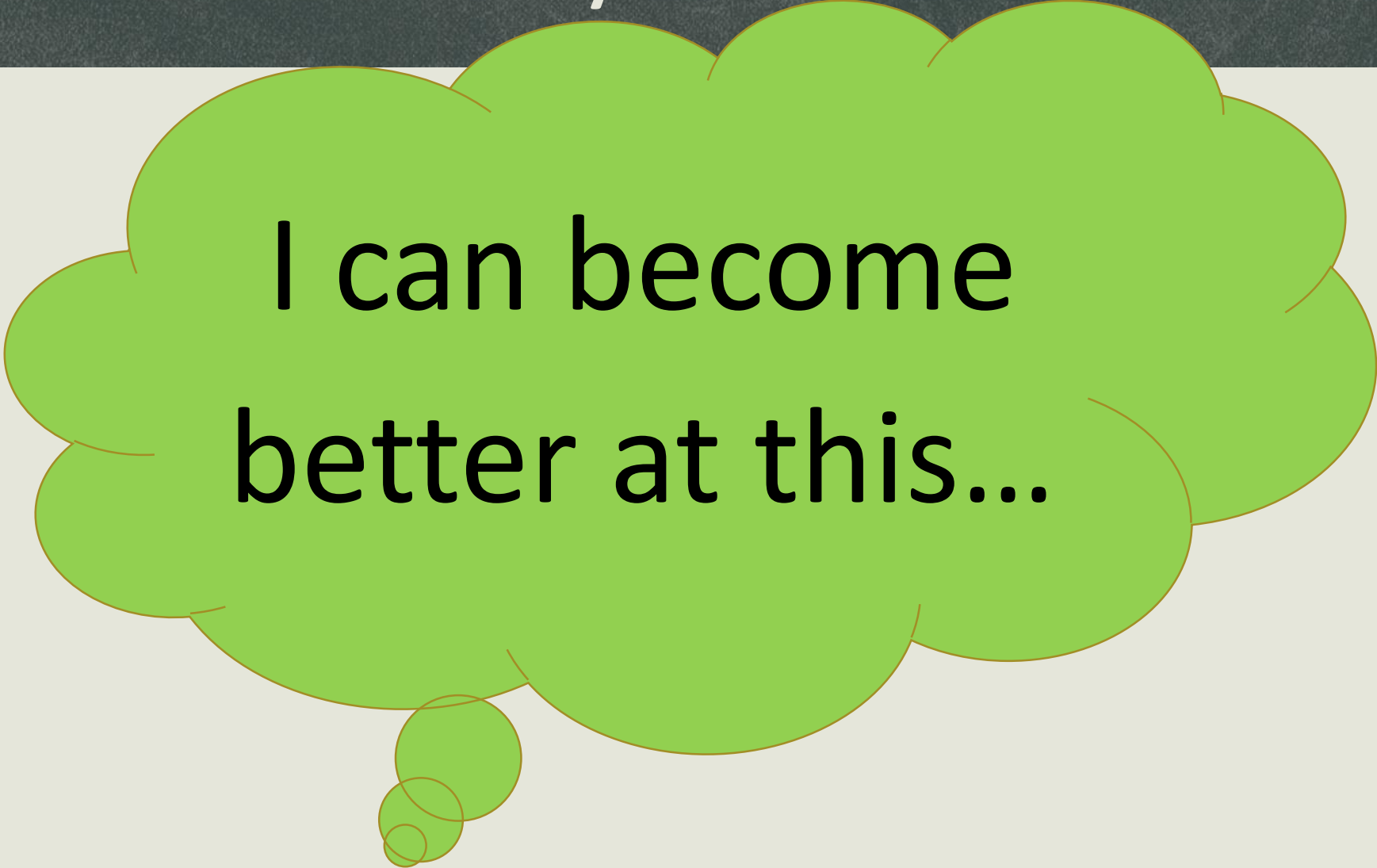
I can't do this
yet...

If you hear your child saying



I'm no good at
this...

Tell them to say



I can become
better at this...

If you hear your child asking



What grade
did I get?

They should ask



What can I do
to improve...?

Practicalities

- Ensuring that all pupils have a maths set and a scientific calculator
- We recommend Casio fx83



Examinations – Key Stage 4

- Pupils complete **two** GCSE qualifications:
 - **GCSE Numeracy**
 - **GCSE Mathematics**

Exams – Numeracy & Mathematics in Key Stage 4

- Both qualifications involve two exam papers
 - Non-calculator
 - Calculator
- **There is no coursework element to either qualification**
- Both qualifications can be sat at one of three tiers:
 - Foundation (Grades G to D)
 - Intermediate (Grades E to B)
 - Higher (Grades D to A*)

Revision

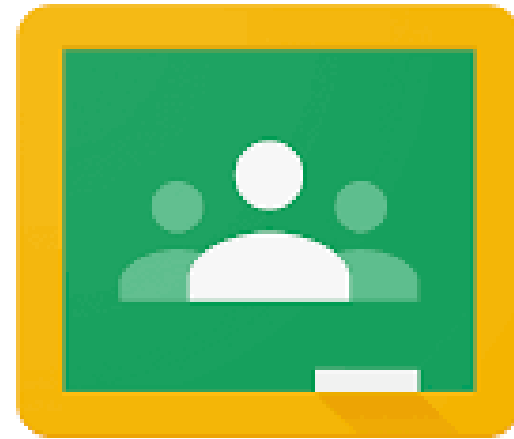


Revision provided by school

Please see individual Google Classrooms

Each pupil is a member of a Google Classroom for their Maths class

This will contain lots of useful websites & resources



Google Classroom

Revision provided by school

- Please ensure that pupils complete any homework and revision questions provided by their teacher
 - This is **essential** – but is only the **first** step

MathsWatch

- All pupils have a login to MathsWatch




vle.mathswatch.co.uk

**Username & Password
has been provided.**

MathsWatch

- Please ensure that pupils complete all homework set via MathsWatch
 - This is **essential** – but is only the **first** step
 - You can use the “**videos**” section of MathsWatch do an infinite amount of work
 - No more... “I haven’t got any work to do” 😊

MathsWatch

 MathsWatch

ClassesAssignmentsUsersVideosUsageFeedbackExtrasHelpJonathan's account
Logout
152 days until renewal

Clip 1 Place ValueOne Minute MathsInteractive QuestionsWorksheet

Clip 1

PLACE VALUE

05:13

Find a Clip

QualificationGCSE (WJEC)TierAllGradeAllTopicAllSearch

☐ Only Numeracy

Choose Clip (248)

Clip	Title
1	Place Value
2	Ordering Integers
3	Ordering Decimals
4	Reading Scales
5	Simple Mathematical Notation
6a	Tessellations
6b	Congruent Shapes
7	Polygons

Revision lists provided by school

- All pupils have a copy of a 'Learning Log'
 - **Essentially a revision list for their exams**
- A copy of this is available on the 'Parent Download' Section of the school website

Learning Log given to all pupils in Key Stage 4

Higher Tier – Grades A and A*

You will also need to master the Intermediate & Foundation Tier Content

NUMBER

- ☐ Be able to use negative fractional indices
- ☐ Converting recurring decimals into fractions
- ☐ Knowing the difference between rational and irrational numbers
- ☐ Manipulating surds
- ☐ Using surds and π in exact calculations
- ☐ Simplifying expressions involving surds
- ☐ Rationalising the denominator
- ☐ Understanding AER & APR
- ☐ Calculating using upper and lower bounds – involving multiplication and division

How to revise maths...

- Use a revision list (Learning Log). Have a **separate** list at home to the one in class
 - Rate each topic Red, Amber, Green
- Look at the days you have until the exams and begin to plan what topics you will revise.
- 30 minute “chunks” of revision are ideal. No more than 60 minutes at any one time without a break
- Over half term, 3 to 4 hours of revision daily should be the aim

Revision timetable

- Having a plan or timetable is useful (even if you don't stick to it rigidly)
 - Remember to plan in breaks/rewards
- Try to plan so that you will cover all topics before the exams
 - Thursday 29th Sept – Percentages
 - Friday 30th Sept – Equations.....etc
- 30 minute “chunks” of revision are ideal. No more than 60 minutes at any one time without a break
- Over half term, 3 to 4 hours of revision daily is the aim

Revision methods

- Do questions – don't just read!
 - Spend the first few minutes trying a question on the topic you were revising **last time** – this will help to see if you have recalled it
 - Spend some (but not most) of your time reminding yourself of what to do on this topic (use your notes, websites)
 - Then **do questions on this topic** using a resource that will give you **instant** (or very quick) **feedback**
 - To finish – set yourself some questions on this topic to complete the next time you revise.

But what if “I don’t get it”?

- Firstly, you haven’t been paying attention... “You don’t get it **yet**”!
- See if you can find a video or written solution to the question to help
- If you still do not understand ... please ask one of us (in the right way!)
 - “Sir/Miss.....I was doing this question on equations last night and I wasn’t sure what to do when....”
 - This will make us much happier than “Sir/Miss.... I don’t get equations, show me how to do them!”

Refer back to the revision list

- Can you move from red to amber, amber to green...

Independent Revision on top of MathsWatch

- Many websites we recommend are listed in the booklet (with further guidance of how to use them):
 - [BBC Bitesize Numeracy](#)
 - [BBC Bitesize Mathematics](#)
 - [ReviseGCSEMaths](#)
 - [Corbett Maths](#)
 - [Maths DIY](#)

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