# John Kyrle High School Welcome to the Year 9 briefing



Mr. Wardale Head of Year Mr. Croad
Head of Upper School



# WHAT ARE WE COVERING TONIGHT?

- Words of welcome (Mr. Wardale)
- Maths expectations (Mr. Manns)
- English expectations (Mrs Moore)
- Science expectations (Mr. Smith)
- New GCSEs / Options process (Mr. Croad)
- Show my homework (Miss Colclough)

# GCSE Maths

# JKHS MATHS DEPARTMENT

Why does the Maths GCSE start in Y9?

What skills are we focussing on?

Where to find support?

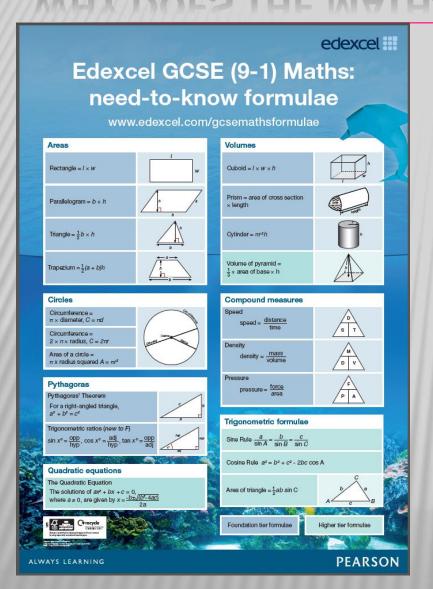
### WHY DOES THE MATHS GCSE START IN Y9?

- 1 Calculations 1
- 2 Expressions
- 3 Angles and polygons
- 4 Handling data 1
- 5 Fractions, decimals and percentages
- 6 Formulae and functions
- 7 Working in 2D
- 8 Probability
- 9 Measures and accuracy
- 10 Equations and inequalities
- 11 Circles and construction

Content!

- 12 Ratio and proportion
- 13 Factors, powers and roots
- 14 Graphs 1
- 15 Working in 3D
- 16 Handling data 2
- 17 Calculations 2
- 18 Graphs 2
- 19 Pythagoras and trigonometry
- 20 The probability of combined events
- 21 Sequences
- 22 Units and proportionality

### WHY DOES THE MATHS GCSE START IN Y9?



#### More to remember!

#### **Appendix 3: Mathematical formulae**

The following formulae will be provided for students within the relevant examination questions.

Perimeter, area, surface area and volume formulae

Where r is the radius of the sphere or cone, l is the slant height of a cone and h is the perpendicular height of a cone:

Curved surface area of a cone =  $\pi rl$ 

Surface area of a sphere =  $4\pi r^2$ 

Volume of a sphere = 
$$\frac{4}{3}\pi r^3$$

Volume of a cone = 
$$\frac{1}{3}\pi r^2 h$$

### WHAT SKILLS ARE WE FOCUSSING ON?

Resilience

Accuracy

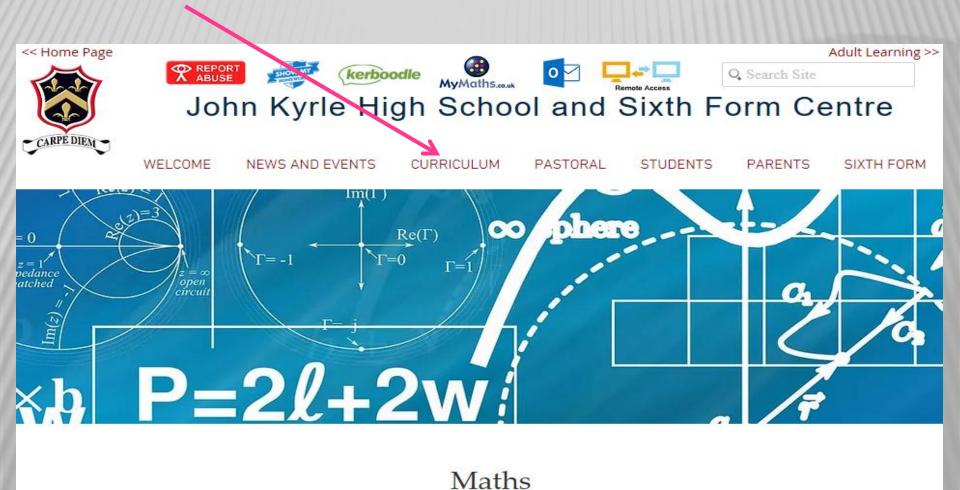
	Higher	Foundation
	2018/19	2018/19
Grade 5	33	77
Grade 4	22	62

> Thoroughness

Independence

## WHERE TO FIND SUPPORT?

#### School website



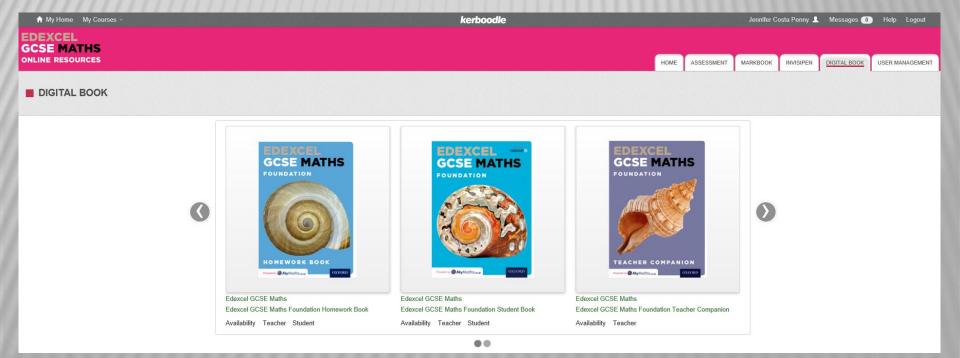
# WHERE TO FIND SUPPORT?

School website

**Useful websites:** 

www.Mymaths.co.uk www.vle.Mathswatch.com

www.examsolutions.net



# WHERE TO FIND SUPPORT?

- Me and your teacher
- Your exercise book

> The internet

For additional assistance please contact Mr. Manns: p.manns@jkhs.org.uk

# GCSE English



#### AQA GCSE English Language and Literature

- All pupils will study **both** English Language and English Literature.
- They will receive 2 GCSEs
- All pupils will sit their exams at the end of Year 11.
- Four exams: two English Language and two English Literature.
- No more tiers.
- All pupils assessed in Speaking and Listening skills.

# English Language

	Reading	Writing
Paper 1 50%	Literature fiction	Descriptive or narrative writing
	Analyse extracts from stories looking at language, structure and format	Write either a descriptive or narrative piece based on a picture.
Paper 2 50%	Non-fiction – Past & Present	Non-Fiction Writing
	Compare and contrast 1x non-fiction text (present) and 1x non-fiction literary text (past)	Writing to present a viewpoint using different formats e.g. letter, article, report, review, speech etc.

# English Literature

Paper 1	Shakespeare	
40%	Extract analysis and study of the play as a whole.	
	19 <sup>th</sup> Century novel	
	Extract analysis and study of the novel as a whole.	
Paper 2	Modern drama or prose	
60%	Extract analysis and study of the play/prose as a whole.	
	Poetry anthology	
	Comparing and contrasting how a theme e.g. power and control or love and relationships, is presented in different poems previously studied.	
	Unseen poetry	
	Comparing and contrasting how a theme is presented in different poems never seen before.	

# How can we help them get there?



### www.learningscientists.org

Blogs, videos and resources about:

- Spaced Practice
- Retrieval Practice
- Elaboration
- Interleaving
- Concrete Examples
- Dual Coding

# How can we help them get there?

- KS3 curriculum
- ■Exam board website AQA http://www.aqa.org.uk/

#### Top Tips

- ■READ!
- WRITE!
- TAKE ADVICE!
- **DISCUSS!**

For additional assistance please contact Mrs. Moore: <a href="mailto:f.moore@jkhs.org.uk">f.moore@jkhs.org.uk</a>

# GCSE Science





# GCSE COMBINED SCIENCE: TRILOGY

8464

#### Specification

For teaching from September 2016 onwards For GCSE exams in 2018 onwards

### Combined Science - Trilogy



- Students will be studying this course from the start of year 9.
- The teaching of the content of the course will be completed by February 2023.
- Students will be invited to buy revision guides and practice exambooks.





• £13 for a set including practice questions or £6 for a combined guide

### Some key points



- No coursework / ISA requirement
- Greater mathematical demand within questions
- Greater requirement to "know" key equations (especially in physics) and be able to manipulate them.
- Resilience yes it's tough. Grade boundaries may be low for some topics.

# Key Dates Year 9 Science

Date	Biology	Chemistry	Physics	Assessment
Autumn 2020	Cell structure  Cell division  Transport in cells	A simple model of the atom  Carbon compounds as fuels and feedstock	Forces and motion  Scalar and vector quantities	Test 1 Week Commencing 2/11/2020
Spring 2021	Principles of organisation  Plant and animal tissues, organs and organ systems	Purity, formulations + chromatography  Identification of gases  Earth's atmosphere	Waves EM waves	Test 2 Week Commencing 4/1/2021
Summer 2021	Communicable diseases	Using Earth's resources Life cycle assessment and recycling Reactivity of metals	Density Heat transfer Specific heat capacity	Test 3 Week Commencing 10/05/2021



## Awarding Grades for GCSE Combined Science

- The qualification counts as **two** GCSEs
- The qualification will be graded on a 17-point scale: 1–1 to 9–9 where 9–9 is the best grade.
- It sounds complicated, but at this stage, don't worry!
- General message is in Y7 & 8 science should be fun!
- In Years 9-11 it gets serious!
- Work hard and we will try to make it seriously fun!

For additional assistance please contact Mr. Smith: <a href="mailto:frazersmith@jkhs.org.uk">frazersmith@jkhs.org.uk</a>

# GCSE Options

# Options 2021 – 2023

Preparation for the 21<sup>st</sup>-Century World.



# Choices, choices

- No doors will close because of the choices you make now
- Keep a clear head
- There's loads of advice and help available you're not on your own...
- GCSE courses are all linear the exams are at the end
- There's very little GCSE coursework
- BTEC and Cambridge Nationals have an element of portfolio and exams can be taken before the end of the course



# Options for Y10+

- The "core":
  - English language
  - English literature
  - Maths
  - Combined Trilogy science (worth 2 GCSEs)
  - RE
  - Non-exam PE





# Beyond the core

#### Key Stage 4 Option Choices, 2020 - 2022

Name: Tutor Group. Signed by (Parent / Carer) Date

- Please indicate your first and second choice in each block.
- . We will aim to give students their first choice in each block, but this cannot be guaranteed, so please make sure you would be happy with your second choice.
- Courses will only run if there are enough takers to make them viable.
- . Think carefully about taking the full English Baccalaureate MFL plus choose from history and/or geography.
- If you have any questions or difficulties with the Options choices, please see Mr Penny or your tutor.
- These combinations cannot be chosen: art & 3D art, music and music technology, textiles and art, textiles and 3D art.
- Please return via Tutors by Friday March 13th. Please retain a copy for your own records.

Creative Block T	Ebacc Block A	Block B	Block C
Art GCSE	Computer Science GCSE	Art GCSE	3D Art GCSE
Computer Science GCSE	French GCSE	Business & Enterprise Cambridge National	Business & Enterprise Cambridge National
Construction BTEC	Geography GCSE	Child Development Cambridge National	Geography GCSE
Drama GCSE	German GCSE	Creative iMedia Cambridge National	History GCSE
Food Tech GCSE	History GCSE	Geography GCSE	Music GCSE
Graphics GCSE	Spanish GCSE	History GCSE	P.E. GCSE
Product Design (Wood) GCSE	· ·	Music Technology BTEC	R.E. (full course) GCSE
Product Design (Metal) GCSE		Spanish GCSE	

Full Ebacc chosen? Yes/No. Please tell us why/why not.
Post-16 Plans: JKHS Sixth Form, College, Apprenticeship, Employment with Training?
Career Plans?

Please turn over and tell us why you have chosen the subjects that you want to study...



# Choices...

- This *Ebacc* thing, then...
- English, maths, two sciences plus...
- History or geography and
- French, German or Spanish
- This is a combination with credibility
- For universities, employers, high-level apprenticeships...





# French, German or Spanish?

- Yes most people won't have a language
- It's a connected, international world
- Carpe diem!





# How to choose...

- If you have a career in mind go for subjects that fit that
- If you don't no problem. Think about what you like
- Go for a broad approach show a range of skills
- Be informed about the subjects





 We're here to help you make the right choice for you... Every step of the way.

We'll share more with you after Christmas!



# • Don't panic!





# SMHW

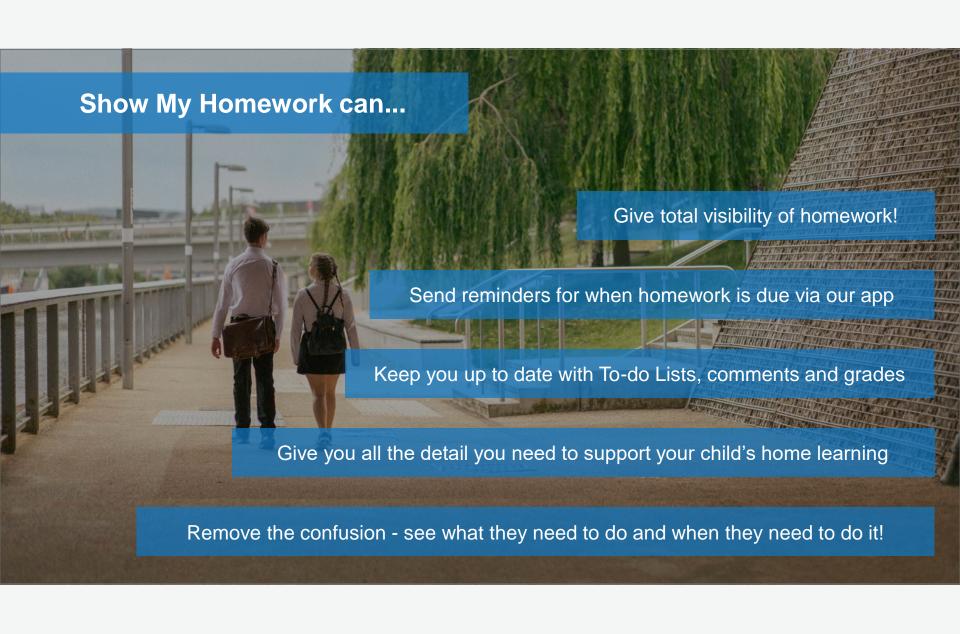


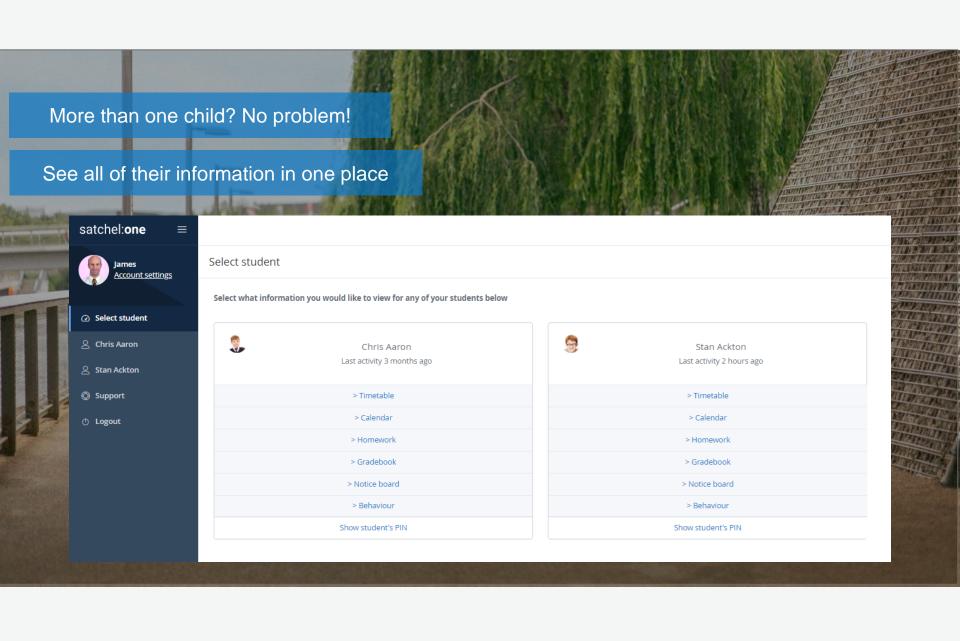
# A Parent's Guide to Show My Homework

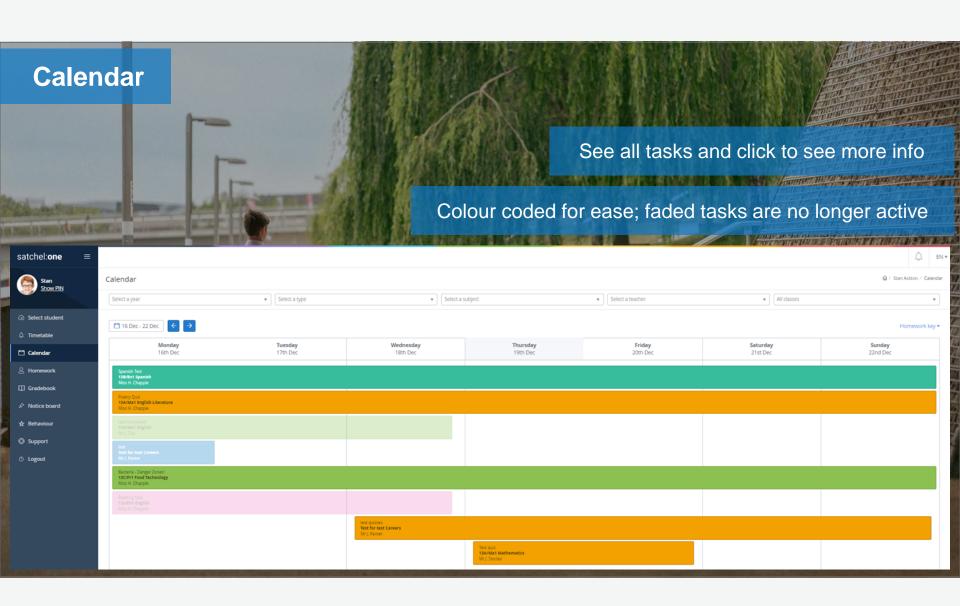
Part of Satchel One

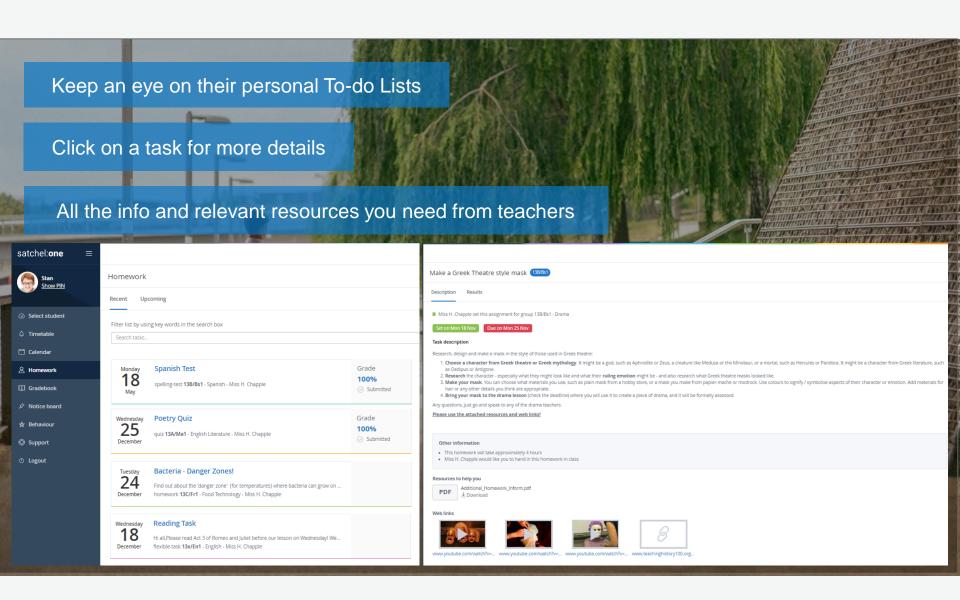


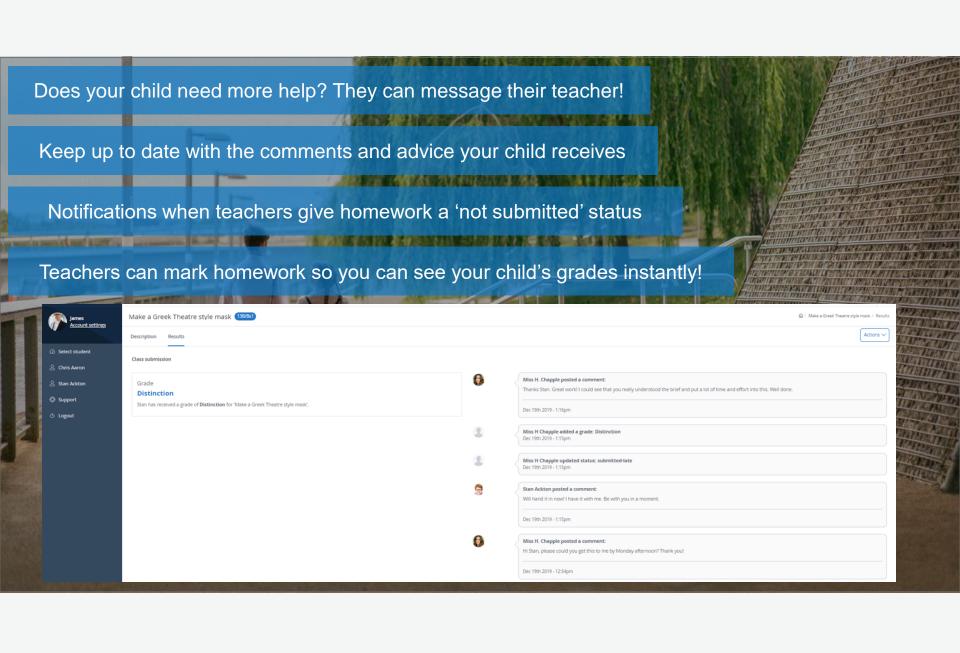
Together through education

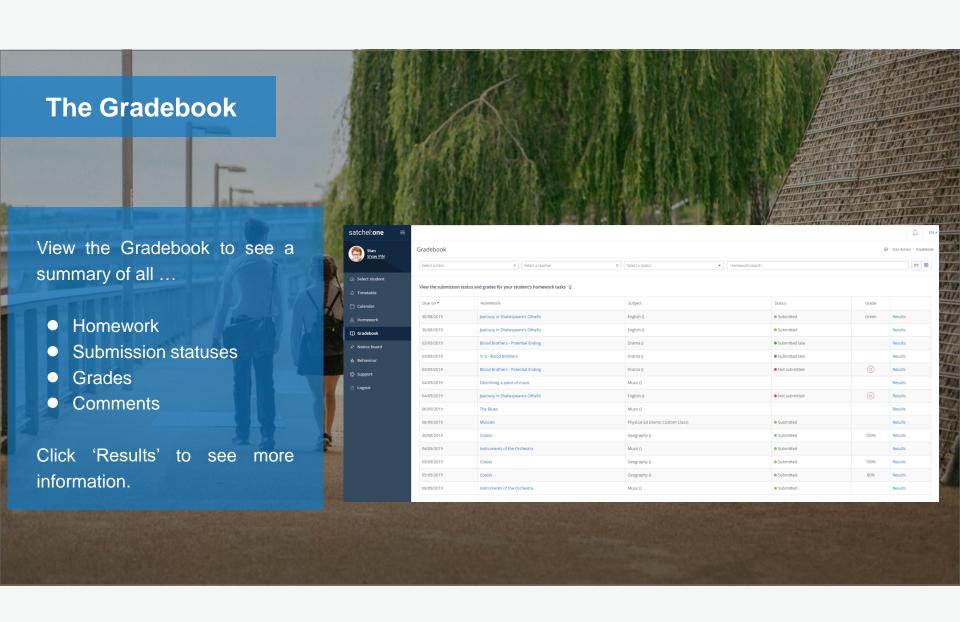




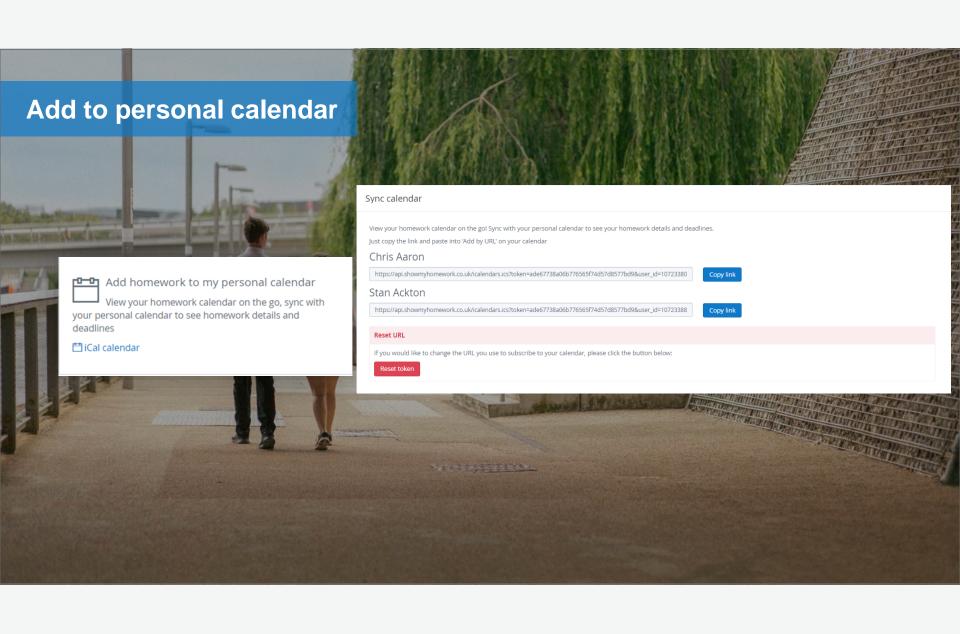




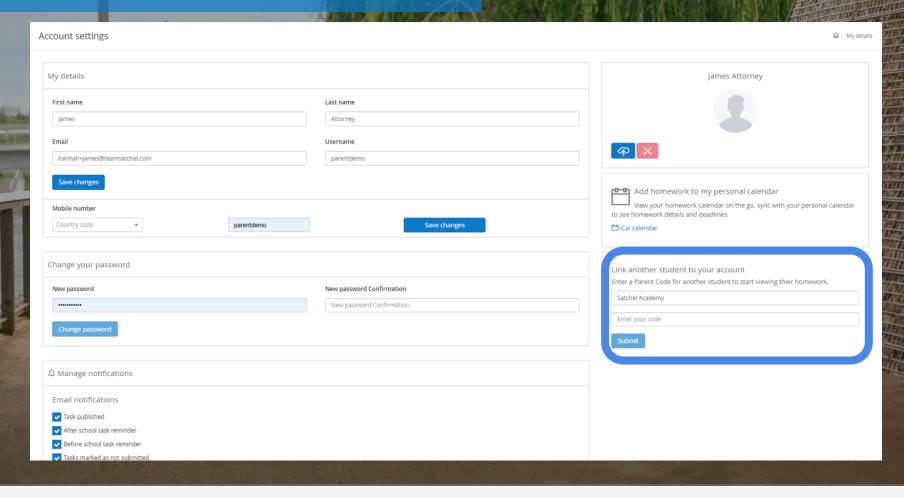




#### **Account Settings** Account settings James Attorney My details First name Last name Email Username P X hannah+james@teamsatchel.com parentdemo Add homework to my personal calendar View your homework calendar on the go, sync with your personal calendar Mobile number to see homework details and deadlines Country code parentdemo Save changes Change your password Link another student to your account Enter a Parent Code for another student to start viewing their homework. New password Confirmation Satchel Academy New password Confirmation Enter your code Password must include at least 10 characters, a number, an uppercase letter and a special character A Manage notifications Email notifications Task published ✓ After school task reminder Before school task reminder ✓ Tasks marked as not submitted Comments Notices Grade added ✓ Behaviour points and badges Daily digest Weekly digest



### Link another student to your account



#### **School Calendar**

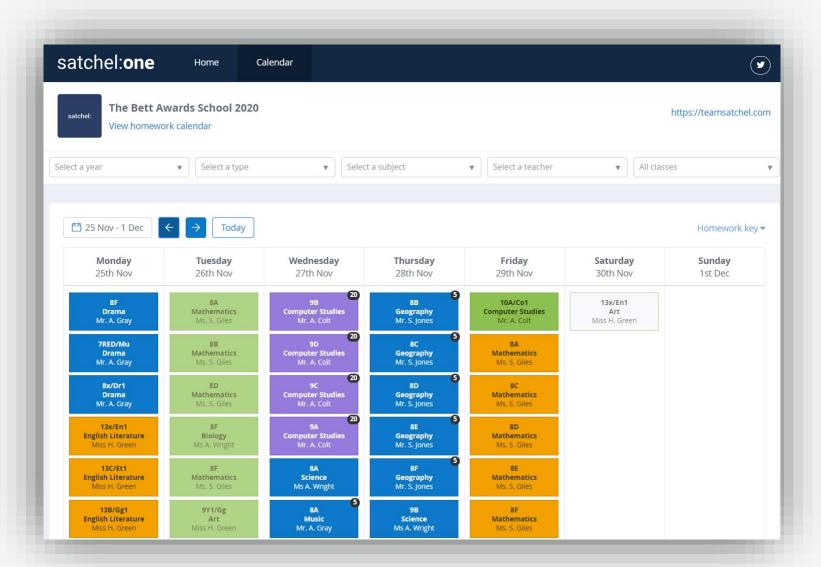


Forgotten your login details?

Don't worry - we have a backup plan

Go to www.teamsatchel.com and search for your child's school

See every piece of homework and use the filters to find what you need!



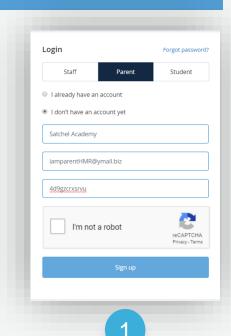
### **Downloading the app**





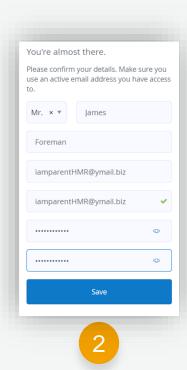
Please download the Show My Homework app to receive push notifications and manage homework on the go!

#### **Getting started**



Click the **'Parent'** tab and choose 'I **don't** have an account yet'.

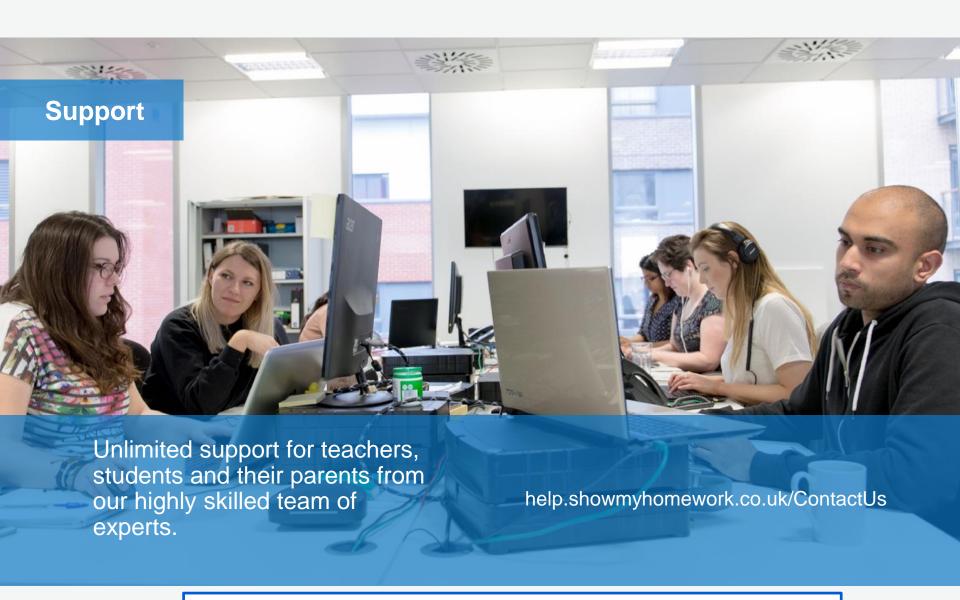
Enter the school name, your email address and the Parent Code you received from the school. Tick the Captcha box and click 'Sign up'.



Enter your details and choose your password.



You will now be able to login using your email and your chosen password.



For additional assistance please contact Miss Colclough: lizcolclough@jkhs.org.uk

Careers

7-levels & A -levels

unifrog AB

ABOUT BLOG INSIGHTS

CASE STUDIES

JOBS

CONTACT

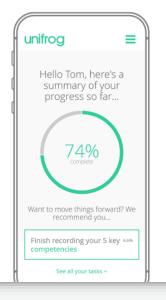
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Students – please share this resource with your parent / carer...



Sixth Form

University

For additional careers support please contact Mrs. Knapper:

hayleyknapper@jkhs.org.uk

Apprenticeships

Employment

## AND FINALLY...

#### Some key dates:

Careers convention
Not currently planned

Year 9 consultation evening Not currently planned

Full report issued TBC

KS4 options evening
TBC

Year 9 core exams
TBC

All of tonight's slides will be available to download from the school website: <a href="mailto:www.jkhs.org.uk">www.jkhs.org.uk</a>

Please remember to always contact your child's tutor in the first instance if you have any questions whatsoever... Thank you.