# Barnhill COMMUNITY HIGH SCHOOL

Respect | Wisdom | Aspiration | Community

Year 10 Parents' Information Evening

5<sup>th</sup> October 2023

## Year 10 Team

Associate Headteacher Curriculum Impact KS4 & 5 Ms Qureshi	Assistant Headteacher KS4 Impact and Standards and PP Mr Mashida	Head of Year 10 Mr Watton	Pastoral Support Ms Dixon	KS4 Raising Achievement and Transition Leader Mr Macauley	Raising Achievement Leader Applied (KS4 & 5) & Exams Miss J Jacobs	Raising Achievement Leader KS4 Mr Watts
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## **Core Subject Leaders**

Head of English
Ms S Sriram

Head of Maths Mr M Sangha Head of Science Mrs I Ponnuraj

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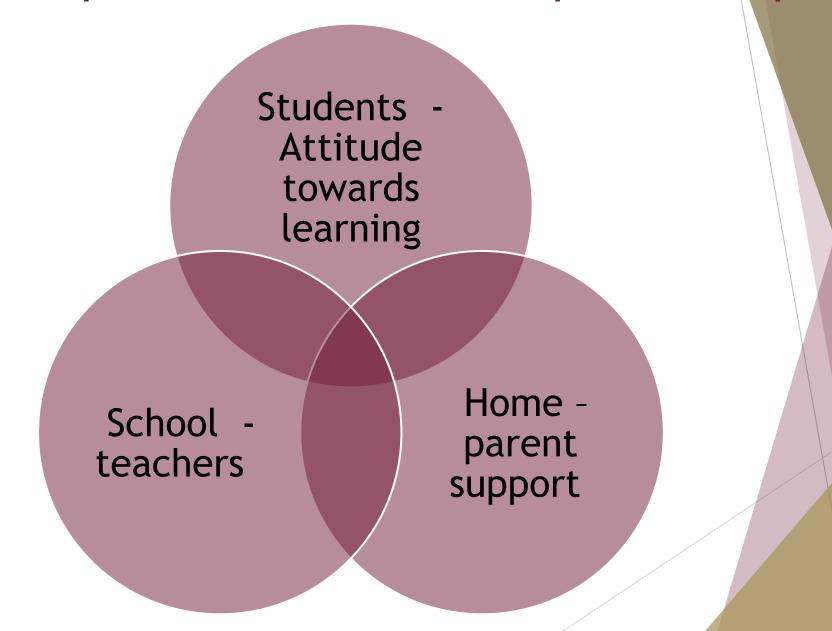
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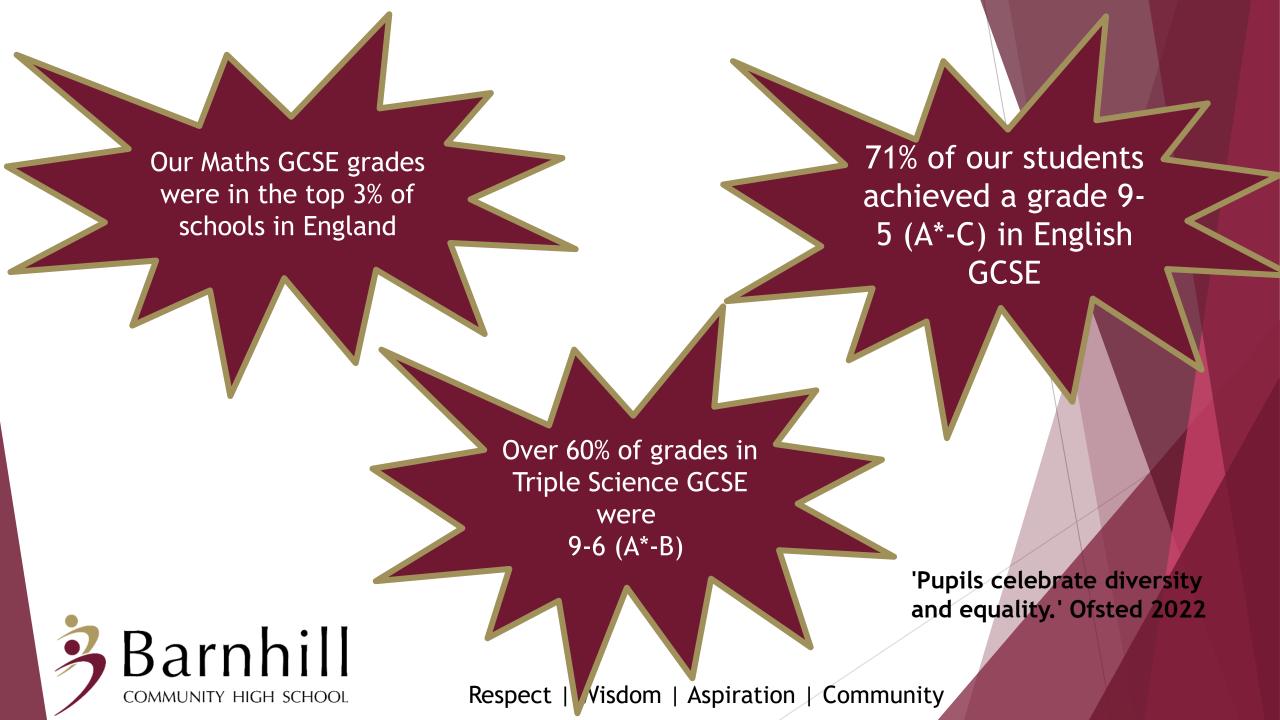
Iponnuraj@barnhill.school





# The most important collaborative partnership

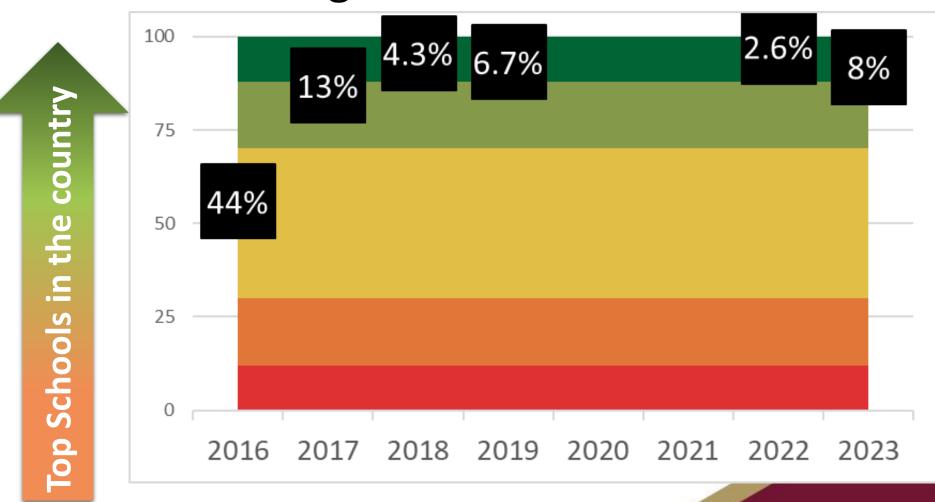




# The 1-9 System

Old grades	New grades
A*	9 8
Α	7
В	6 E Strong Page
С	5 Strong Pass 4 Standard Pass
D	3
E	2
F	۷
G	1
U	U

# KS4 Outcomes 2016 – 2023 National Ranking



	Well Above Average	0 - 12%
	Above average	12 - 30%
	Average	30 - 70%
	Below Average	70 - 88%
)	Well Below Average	88 - 100%

2023 Year 11 Results

Progress 8

+0.53

28% of students with five 9-7 Grades or more.

79% students returning to Barnhill Sixth Form

5+ in English and Maths

Barnhill

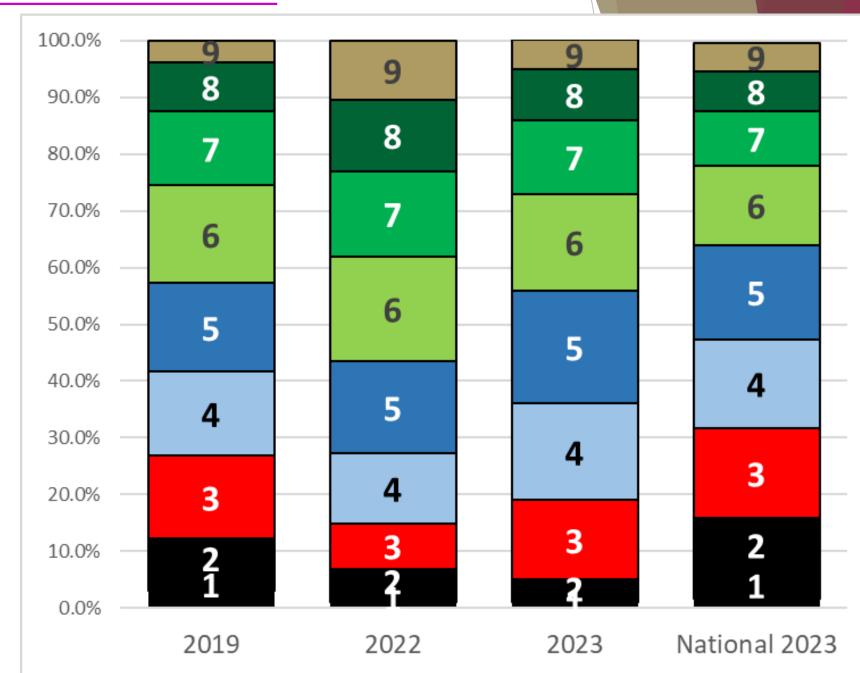
National

52%

4+ in English and Maths

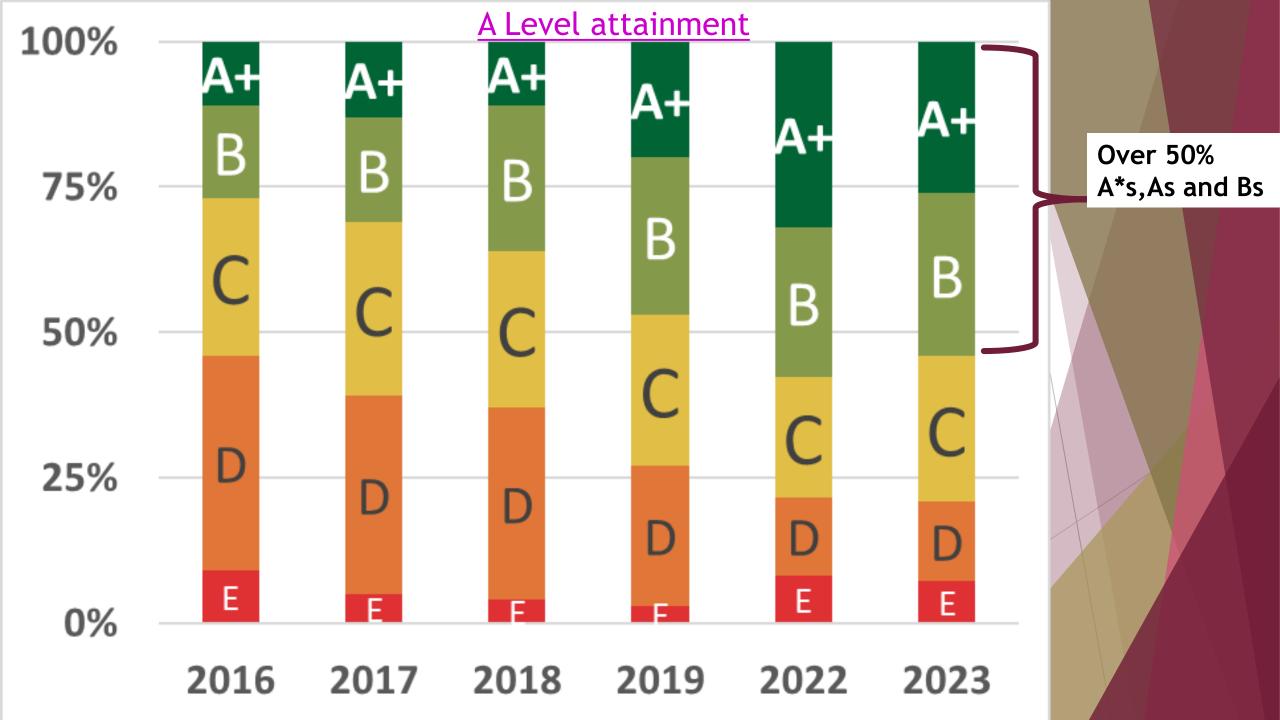
Barnhill
79%
National
73%

65% of all grades are higher than Grade 5.



	National Rank	Progress 8	Attainment 8	Basics 5+	Basics 4+	English Baccalaureate	Destinations	
National Averages	50%	+0.03	48.8	50%	67%	4.04	94%	
2023 Results	tbc	+0.51	53.0	61%	<b>79</b> %	4.89	tbc	
2022	2.7%	+0.79	55.6	65%	84%	4.95	N/A	
2021*		+0.88*	55.2	58%	<b>74</b> %	4.98	N/A	
2020*		+0.96*	53.9	<b>59</b> %	<b>79</b> %	4.70	97%	
2019	5%	+0.57	49.1	<b>52</b> %	<b>70</b> %	4.44	94%	
2018	4.3%	+0.68	47	52%	65%	4.25	91%	
2017	13.3%	+0.42	46.3	44%	60%		92%	

9s	8s	7s
9	0	0
7	2	0
5	3	0
4	2	2
4	1	3
4	3	2
4	2	2 c
4	0	4
4	3	1
3	1	1
3	4	2
3	1	3
3	3	1
3	3	0



A*A*A*	Gap Year (will apply in 2024)
A*A*A*	Gap Year (will apply in 2024)
A*A*A*	St George's, University of London - Paramedic Science BSc
A*A*A	LSE - Law (Bachelor of Laws) - Accounting & Finance
A*A*A	King's College London, University of London - Midwifery with Registration as a Midwife
A*A*A*	Criminology & Sociology - Royal Holloway, University of London
A*A*A	Gap Year (will apply in 2024)
A*A*A	LSE - Law (Bachelor of Laws)
A*A*AA	King's College London, University of London - Enhanced Support Dentistry Programme
A*AAA	Imperial College London - Mechanical Engineering
A*AAA	UCL (University College London) - Civil Engineering
A*A*AA:	Dentistry - Kings College London

A*AA	UCL (University College London) - Physics
A*AA	Gap Year (will apply in 2024)
A*AB	University of Leeds - International History and Politics
A*AB	King's College London, University of London - Philosophy
D*AB	Loughborough University - Politics, Philosophy and Economics (with placement year)
AAA	Queen Mary University of London - Computer Science and Mathematics
AAA	City, University of London - Diagnostic Radiography
AAB	UCL (University College London) - Infection and Immunity
AAB	Oxford Brookes University - Midwifery
AAB	Imperial College London - Medical Biosciences with Management

## Opportunities for students not to waste

Preparing for your GCSE

Balance revision with activities that make you feel happy and calm.

Make a plan and stick to it.

GCSE covers a range of subjects

GCSEs will be the first big exams you or your child will take and can have a big influence on your future educational path and career.

# Year 10 Achievement

Mr L Macauley - Raising Achievement Leader for KS4



# Year 10 Achievement

Mr L Macauley - Raising Achievement Leader for KS4



## Curriculum and Assessments

9 GCSEs Total

English x2

Maths

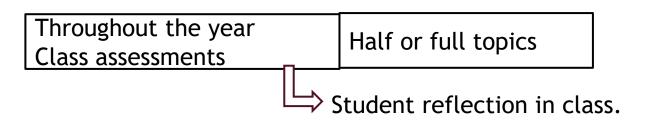
Science x2

Option A

Option B

Option C

Option D



17th June - 28th June Pre-Public Exams (PPE)

Half of entire GCSE content in 2 weeks

Student reflection and target setting for ALL Subject (May)

Progress Summary								
Overall P8	En P8	Ma P8	P8 Ebac	P8 Open				
<b>2.33</b>	1.78	2.47	3.27	1.67				

Passing Core Subjects?						
English Mathematic						
5	5					
CORE NEEDs						
Pass Grades Met						

Attendance Target					
89.36	95%				

ı	Attituu	e to L	earning Sunn	iidiy									
ı	Avera	age	Commendation CONCE		CONCERN		Total		Total Curriculur		Total		
ı	A2L		Commendation	CONCERN	Concern		Negatives		Referrals		Positives		
ı	3.90	<b>→</b>	4	1	Independen		▶ 2	<b>\rightarrow</b>	▶ 0	<b>→</b>	▲	3	ή.

Progress by Subject						
Subject	Class	Target	PPE Grade	PG	ATL	Concern or Commendation
English Literature	11Y/En2 [AMI]	5-	3	6+	4	COMMENDATION Work Ethic
English Language	11Y/En2 [AMI]	5-	5-	6+	4	COMMENDATION Work Ethic
Mathematics	11Y/Ma3 [PPO]	5-	5+	6	3	CONCERN Independent learning
Geography	11A/Gg1 [JPA]	5-	7-	8-	4	
French	11B/Fr1 [ZKH]	5-	4+	4+	4	
Sociology	11C/So1 [LCL]	5-	3+	4+	4	
Health & SC	11D/Hs1 [SGA]	M2	M2	D2	4	
Science	11Y/Sc3 [AMU]	4-4	6-5	6-6	4	COMMENDATION Work Ethic
		, and the second				

My Reflection Questions	
What are you most proud of and why?	
From the data above, what do I need to improve?	What will I need to do to achieve these targets in the next 3 months
(Select 2 targets)	(Be specific - do not write something vague, like "Revise more".
	See statement bank to help you)
1	
2	

# Reports and Reflection

Progress Summary											
Overall P8	En P8	Ma P8	P8 Ebac	P8 Open							
2.33	1.78	2.47	3.27	1.67							

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89.36	€	95%					

Attitu	de to L	earning Sumr	mary										
Average		Commendation	CONCERN	Main		To	tal	Cur	ric	ulum		Tot	al
A	2L	Commendation	CONCERN	Concern	Ne	ega	tives	Re	fe	rrals	Po	osit	ives
3.90	-	4	1	Independen		2	<b>→</b>		0	÷		3	Φ.

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	See statement bank to help you)
1	
2	



Across your top 8 subjects, what is your mean progress? This means how far above or below your targets you are on average?

Are you above your targets? GREEN
Are you just one grade below them? YELLOW
Or are you still far below your targets? RED

For each subject you have:

A PPE Grade (Your most recent exam grade)

And a PG (Predicted grade) - This is based on your previous assessments and your teachers' projection of your progress based on your work and effort.

# Reports and Reflection

Progress Sun	nmary			
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Attendance Summary							
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Attitude to L	earning Sumr	mary										
Average	Commendation	CONCERN	Main		Tot	al	Cur	ric	ulum	,	Tot	al
A2L	Commendation	CONCERN	Concern	Negatives			Referrals			Positives		ives
3.90	4	1	Independen		2	<b>→</b>		0	<b>→</b>		3	介

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Science	11Y/Sc3 [AMU]	4-4	6-5	6-6	4	COMMENDATION Work Ethic
		·				

Have you reached a good pass in English and Maths.

Without these, your options are limited.

This row of information is all about your attitude to learning and behaviour in school.

Is your behaviour affecting your learning?

Attitude to Learning

4 is expected.

**3** is 'coasting'. --> Bare minimum, lack of effort. Must work harder.

**2s** and **1s** - Very worrying. Behaviour and attitude must improve.



### **Report Reflection**

Failures are only temporary if worked on. If you ignore them, they become permanent. How will you succeed?

My Reflection Questions	
What are you most proud of and why?	
From the data above, what do I need to improve?	What will I need to do to achieve these targets in the next 3 months?
(Select 2 targets)	(Be specific - do not write something vague, like "Revise more".
	See statement bank to help you)
1	
2	

How to set your targets

# **Example targets**

## **Effective revision**

- To give my phone to my parents at 6pm so that I can focus on my revision and don't stay up late on my phone.
- To complete one past paper a week for English and mark it on a Wednesday.
- 5 at 5 To complete 5 minutes of flashcards every single day at 5pm.
- To create and stick to a revision timetable.
- To revise in the kitchen so my parents can help me focus / revise at the library

## Organisation and preparedness

- To set an alarm for every homework and interventions.
- To fill my pencil case this weekend so that I am prepared for every lesson.
- To check my timetable at 8pm the night before and pack my bag for the next day.
- To be on time to each lesson by checking my timetable and moving quickly from break.

# Homework and Independent Study

Homework is set once a week per subject. Students MUST record this in their planners. Total = 8 hours a week

Independent study = 8 hours per week

Time Monda		dnesday Thu	ursday F	riday		Maths 2
8am 9am 10am 11am 12pm		School			An exam paper + <u>self</u> <u>marking</u>	Chemistry English 2 Physics An exam paper + marking
5pm Hon	riod 6 Period 6 lessons  nework Homework Option subj 2  stion subj 1 Reading	lessons	Homework  Option Subj 3  Option Subj4	Homework  Flashcard Da	Maths 1 y English 1 Biology Homework	Homework



Sunday

Saturday





# Parental Support

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#### 9 Top Tips For GCSE Parents

#### Supporting Your Child Through GCSE Revision

- I. Give Plenty Of Support
- 2. Discuss Things Early
- 3. Take A Real Interest
- 4. Make Yourself Available To Talk To
- 5. Provide A Suitable Place To Study
- 6. Get Them To Plan
- 7. Encourage Active Revision
- 8. Help Them Think About The Future
- 9. Keep Things In Perspective

#### I. Give Plenty Of Support

This is a stressful and emotionally charged period for you, your child and your family. One of your most important roles is to **make home life as calm and supportive as possible**. Support the school by having a positive relationship with teachers as they, like you, only want the best for your child.

#### 2. Discuss Things Early On

Make a point of discussing with your child what will be involved in the revision period and what your role could be. It's probably **best to do this early** on before routines and habits are formed!

#### 3. Take A Real Interest.

Perhaps the most important thing you can do to help your child to stay motivated during the revision period is to **express an interest in what they're doing.** 

#### 4. Make Yourself Available To Talk To

Your child needs to feel you are supportive of their efforts regardless of the results they achieve and from time to time they will need to be reassured of this support. **Make sure you are available to listen to your child**, although they may not want to talk directly about exams.

TIM FOOT

#### 5. Provide A Suitable Place To Study

Ideally, when they are studying at home, they need a **permanent**, **quiet**, **well-lit place to study with very few interruptions or distractions**. The best set up is probably to have a flat surface such a desk or table in their bedroom, although the kitchen table may suit them best. The school library is a good alternative place for them to revise.

#### 6. Get Them To Plan

Revision planning, when done realistically, helps to ensure that the necessary hours of revision actually take place. Making a revision timetable is useful for helping your child to get a good balance between revision and leisure time. It's very important that they take time off from their studies to relax, so don't expect them to study all the time or every day of the week.

#### 7. Encourage Active Revision

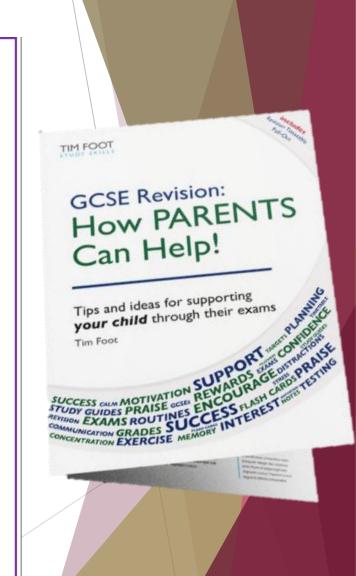
Passively reading through class notes or textbooks is a very poor method of revision. Effective revision means doing something active, such as making flashcards, putting sticky notes around their bedroom, testing and tackling past exam papers. **Testing them is a great way for you to help** and is best done in short bursts with gaps in between or get them to 'teach' you a topic.

#### 8. Help Them Think About The Future

It's a great advantage if your child is **clear about their reasons for doing well** in their GCSEs. Their reasons might include short term goals, such as getting into the Sixth Form or College or longer-term goals such as going to university, doing an apprenticeship, a future career or satisfying job.

#### 9. Keep Things In Perspective

Whilst GCSE exams are undoubtedly important, if for some reason your child doesn't get the grades they'd hoped for it's not the end of the world. They may have to rethink their immediate plans for what to do in Sixth Form or College but a huge variety of opportunities will still be open to them.



## Vocational and BTEC Awards

## Key dates

## Internal assessments (controlled)

- ► Food technology coursework deadline end of September 2024
- ► All BTEC Tech Awards Spring term
- Sport science Cambridge national is in the Spring term

#### **Interventions**

Various Vocational and BTEC interventions throughout Spring

#### External exams

January 2025 for all BTEC and Cambridge Nationals

Please collect a booklet about how vocational and BTEC awards work

# GCSE English

Ms S Sriram - Curriculum Leader

## GCSE English - Ms Sriram - The course requirements

	Literature Qualification	Language Qualification	Students should have
Paper 1	A Christmas Carol	Fiction (Reading and writing) 80 marks	
Paper 2	Anthology (15 poems)	Non-fiction (Reading and writing) 80 marks	<ol> <li>A copy of Macbeth.</li> <li>A CGP study guide for Macbeth.</li> </ol>

Assessment Objectives									
AO1	AO2	AO3	AO4						
• Show that you understand the text and how characters/settings are used to present the writer's ideas.	<ul> <li>Explain and analyse how writers use suggestive language or how they structure information to present meaning and impact readers' thoughts or feelings</li> </ul>	Show that you understand what the plot, characters or settings reveal about the time the text was written.	Use a range of vocabulary and sentence structures for clarity, purpose and effect, with accurate spelling and						
<ul> <li>Use evidence from the text to present and support your interpretations.</li> </ul>	<ul><li>about characters/settings.</li><li>Use relevant subject terminology.</li></ul>		punctuation.						
Themes, characterisation, writers' intentions, evidence	hemes, characterisation, Language and structural		SPaG						
15%	15%	7.5%	2.5%						

Misconception: Progress in English is linear.

- Range of texts (including extracts) with varying complexities (vocabulary and ideas)
- > Timing
- Knowledge of the whole text captured in a snapshot.

## How can you help?

- > Check that they have copies of the set texts.
- Check that they have copies of the revision guides.
- > Talk about wider issues.

# **GCSE** Mathematics

Mr M Sangha- Curriculum Leader

## **GCSE Mathematics**

➤ Year 10 content revisits, and builds upon, content covered in previous years

► There is a greater emphasis on multi-step problems to prepare students for their GCSE's

► A bigger emphasis on showing your method to earn marks

## **Topic area**

Number

Algebra

Ratio, Proportion and Rates of change

Geometry and Measures

Statistics & Probability

# How will students be assessed in year 10?

The pupils will have 3 departmental exams this year:

- 1. 4th October (two 25 mark papers, 30 mins each)
- 2. 8th January (two 25 mark papers, 30 hour each)
- 3. EOY 10 exam week 17th 28th June (two 80 mark papers, 1 hour 30 mins each)

Topic lists will be provided in advance

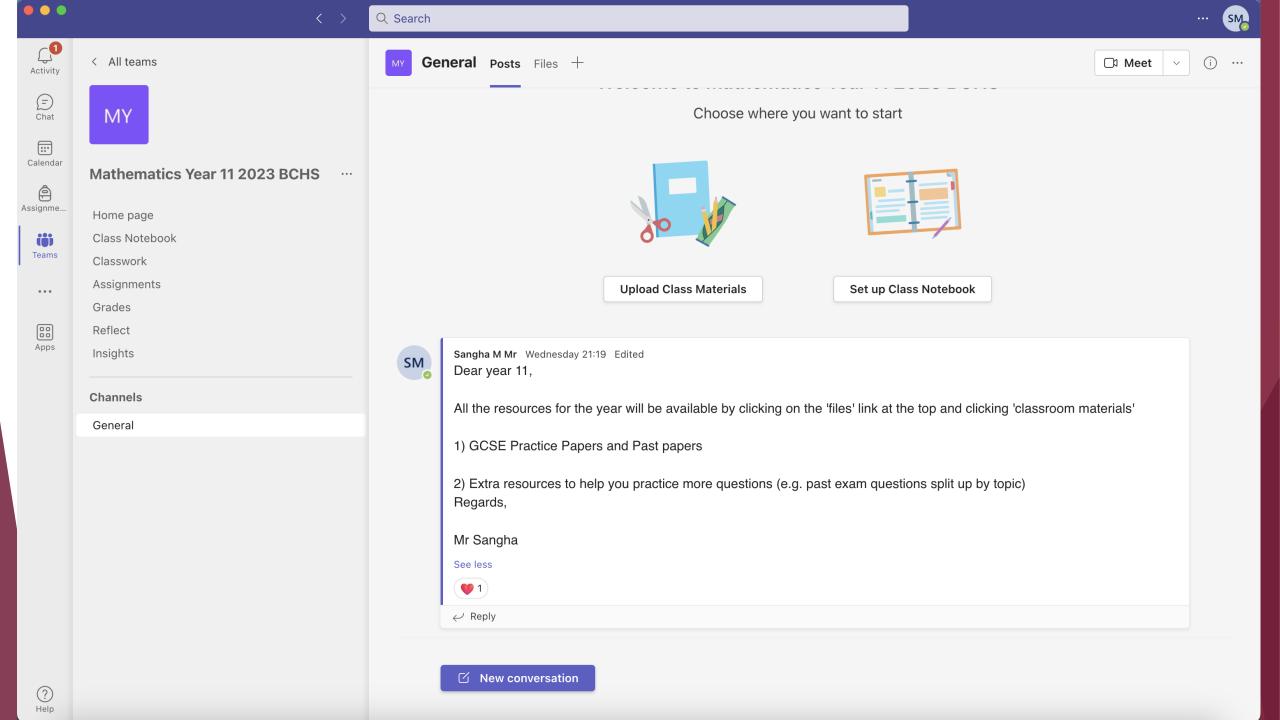
 Following each examination, analysis is completed so pupils and teachers have a detailed list of strengths and weaknesses to help support progress

	Marks for Question	Percentage for Question	Number																							
Topic	No. of Ma	Class Pe	Question																							
Rounding to the nearest 10, 100, 1000 - MW clip 31	1	80.0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
? Converting between metric units MW clip 112	1	84.0	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Ordering decimals - MW clip 3	1	60.0	3	1	1	0	1	1	1	1	1	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1
Simplifying Expressions - Clip 34	1	88.0	4	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Probability - the language of - MW Clip 14	2	56.0	5	2	2	1	0	2	2	2	1	0	2	0	1	1	1	1	1	1	1	2	1	1	1	2
Adding and subtracting integers in context - Mw Clip 17	3	89.3	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	2	3	3	3
Negative numbers in real life & Finding Median -MW Clips 23, 62	3	77.3	7	2	3	3	3	2	3	3	3	2	3	1	1	3	3	0	3	3	3	2	3	3	3	3
Comparing Fractions, Decimals, Percentages - MW clips 84, 85	2	80.0	8	2	0	2	0	2	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Coordinates and properties of 2D shapes - MW clips 8, 113	3	56.0	9	1	1	2	1	3	1	2	2	0	1	2	2	2	1	3	2	3	2	2	2	2	3	2
) Estimation - MW clip 91	4	38.0	10	2	1	1	2	4	1	0	1	0	2	1	2	2	1	3	2	2	2	3	0	2	2	2
Conversion Graphs -MW clip 107	4	44.0	11	1	1	0	0	3	1	1	2	0	0	0	4	4	0	4	3	4	4	3	0	1	4	4
Solving Equations - MW clips 100 & 135	2	54.0	12	0	1	0	2	2	2	1	0	0	0	0	2	2	0	2	2	1	2	2	2	2	0	2
Angles on a line and at a point -MW clip 45	4	29.0	13	0	0	2	0	1	2	1	4	0	0	0	3	0	1	3	1	3	2	3	0	1	2	0
Adding & Multiplying Fractions - MW clips 71, 73	3	80.0	14	3	3	3	3	3	3	3	3	0	3	3	2	3	0	3	3	1	3	3	3	3	3	3
Writing Expressions - MW clip 137	2	32.0	15	0	1	2	1	1	0	1	0	0	0	2	0	0	0	2	1	0	2	1	2	0	0	0
Proportional quantities - MW clip 42	4	0.0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ratio - writing in the form 1: n - MW clip 38	2	48.0	17	0	2	0	0	1	2	1	1	0	0	0	2	2	0	2	2	2	2	0	0	1	2	2
Increase/ Decrease by a fraction/Percentage - MW clips 72, 87, 108	4	37.0	18	1	1	0	1	2	4	0	4	0	0	1	4	4	0	2		4	2	2	1	1	0	1
) Multiplying integers and decimals - MW clip 19, 66	3	62.7	19	2	3	2	3	2	3	0	3	0	2	2	2	2	2	3	3	0	1	თ	3	3	0	3
Expanding and Simplifying - MW clip 134a	2	40.0	20	1	1	0	0	1	1	1	2	0	0	0	2	2	0	2	2	0	1	٦	2	1	0	0
Scatter Diagrams - MW clip 129	3	32.0	21	2	0	1	2	1	1	1	2	0	1	1	2	1	0	1	1	1	1	2		0	0	1
Fractions of; dividing in a ratio; writing as a % - MW clips 72,89, 106	5				2	3	1	0	0	0	5	0	0	0	3	2	0	3	3	0	0	3	0	2	0	0
Volume and Surface area of cubes - MW clips 114a, 115	4	20.0	23		1	0	1	0	1	1	4	0	0	0	1	2	0	1	4	1	1	0	0	0	1	1
Compound Measures - Pressure, Force, Area - MW clip 142	3	49.3	24	0	3	0	2	1	3	1	3	0	0	2	3	3	0	3	0	3	3	3	3	0	1	0
Standard Form - MW clip 83	4	49.0	25		1	2	0	3	3	3	3	1	1	0	3	3	3	2	2	2	2	2	4	3	3	3
Perimeter & Area Problems - MW clips 52, 56	4	13.0	26		0	1	0	0	0	1	1	0	1	1	1	1	0	0	1	1	1	1	0	0	1	0
Understanding the Mean average - MW clip 62	3	33.3	27		1	0	1	0	1	2	1	0	2	0	3	0	0	2		0	0	2	3	2	2	1
Writing ratios and probabilities - MW clips 59, 165a	3	66.7	28		3	1	1	3	0	1	3	0	3	0	3	3	1		3	3	3	3				3
Total	80	39.1		29	38	31	31	44	43	34	57	9	29	24	55	50	22	54	51	42	46	52	39	39	39	42

# How we help the students outside the classroom

All students have access to Microsoft Teams

- ► This will contain:
- Topic lists for assessments
- Questions by topic (with worked solutions)
- Practice papers will be added in March to help them prepare for their end of year 10 exams



### GCSE Mathematics - Mr Sangha

### How can students revise?

➤ Speak to their teacher! Their teacher is best placed to give them advice on what topics to look at. Teachers can also give practice material/revision resources to students

► Use Sparx! This is what we use for our homework but students can also use the 'Independent Learning' section to search for topics. (It is important to note that this is, on the whole, a skills-based website.

### GCSE Mathematics - Mr Sangha

### What can you do to help?

- Ensure students are practicing often. Start small and build it up.
- Encourage regular use of Sparx.
- Ensure students are regularly engaging with exam questions. Exam papers and GCSE papers split by topic are available on Microsoft teams.
- ► Encourage students to start revising now
- ► Encourage students to read questions carefully and show their method!

## Who to contact

- ► Please do not hesitate to contact your child's teacher if you have any concerns or queries
- ► You can also contact

Mr Sangha - Curriculum Leader

Mr Chentouf - Senior Deputy Curriculum Leader

# **GCSE** Science

Ms I Ponnuraj - Curriculum Leader

### GCSE Science - Ms Ponnuraj - The course requirements

	Biology	Chemistry	Physics	
Paper 1	<ul> <li>Cell biology</li> <li>Organisation</li> <li>Infection and response</li> <li>Bioenergetics.</li> </ul>	<ul> <li>Atomic Structure and the periodic table</li> <li>Structure and bonding</li> <li>Quantitative Chemistry</li> <li>Chemical Changes and Energy changes</li> </ul>	<ul><li>Energy</li><li>Electricity</li><li>Particles</li><li>Atomic Structure</li></ul>	

### The examinations:

Three papers in total: Biology, Chemistry and Physics

Trilogy Combined: 1 hour 15 minutes

Separate Science: 1 hour 45 minutes

GCSE Science - Ms Ponnuraj - The course requirements

# Required practical - Year 10

Several required practical experiments to be completed for both options

	Combined Science	Triple
Biology	2	4
Chemistry	3	3
Physics	4	5
Total	9	12

- ► These are completed in school however there is opportunity for students to revise them through virtual experiments online
  - www.kerboodle.com
  - www.focuselearning.co.uk



### GCSE Science - Ms. Ponnuraj How can you help?

- ► Encourage them to use the resources outlined in the Curriculum Handbook
- ► It is important they are completing **exam questions** as this is best practice **for** them.
- ► School is committed to supporting students in achieving the top grades, and we have committed funding towards specific online resources for students:

Paid Resources (obtain login from class teacher)	Free online resources
Kerboodle	Cognito
Educake	Physics and Maths tutor
Carousel	Teams

### Physics and Maths tutor – Free for all

➤ Support them to learn the physics equations for the examinations — they do not get them in the exam anymore!

# **Revision Success**



- 1. An organised revision space
- 2. Revision timetable
- 3. Smart use of Learning Checklists
- 4. Ask students what they've learned today (in revision)
- 5. Exam practice Timed and corrected



# **Revision Success**



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- 5. Exam practice Tir

#### **B1** Cell Biology

Learning Tracker

Can you?	L	R
B1.1 Cell Structure		
Name the main organelles of plant and animal cells (eukaryotic cells)		
Recall the relative size of bacterial cells (prokaryotic cells)		
Describe the difference in how the genetic material is found within eukaryotic and prokaryotic		
cells.		
Explain how the main sub-cellular structures, including the nucleus, cell membranes, mitochondria,		
cell wall and chloroplasts in plant cells and plasmids in bacterial cells are related to their functions		
Explain how the structure of different types of cell relate to their function in a tissue, an organ or		
organ system, or the whole organism. Including sperm cells, nerve cells and muscle cells in animals and root hair cells, xylem and phloem cells in plants.		
		-
Describe cell differentiation		-
Describe the differences in magnification and resolution between electron and light microscopes		-
Define binary fission (biology only)		-
Explain how to prepare an uncontaminated culture (biology only)  B1.2 Cell division		
Recall that the nucleus of a cell contains chromosomes made of DNA molecules. Each chromosome		
carries a large number of genes. In body cells the chromosomes are normally found in pairs		-
Give an overview of mitosis		-
Understand that Cell division by mitosis is important in the growth and development of multicellular		
organisms		-
Recognise and describe situations where mitosis is occurring.		-
Define a stem cell		-
Recall that stem cells from human embryos and adult bone marrow can be cloned and made to		
differentiate into many different types of human cells		-
Name some conditions which may be helped by treatment with stem cells		-
Discuss the ethical or religious objections and potential risk of stem cell use		-
Recall that stem cells from meristems in plants can be used to produce clones of plants quickly and		
economically and describe possible uses  B1.3 Transport in cells		
Explain how substances may move into and out of cells across the cell membranes via diffusion  Describe diffusion		-
		-
Recall that some of the substances transported in and out of cells by diffusion are oxygen and carbon		
dioxide in gas exchange, and of the waste product urea from cells into the blood plasma for excretion in the kidney		
Describe factors that affect the rate of diffusion		$\neg$
Recall that a single-celled organism has a relatively large surface area to volume ratio to allow		-
sufficient transport of molecules into and out of the cell		
Explain how the small intestine and lungs in mammals, gills in fish, and the roots and leaves in plants,		
are adapted for exchanging materials		
List factors that increase the effectiveness of an exchange surface		
Describe osmosis		
Recall that active transport moves substances from a more dilute solution to a more concentrated		
solution (against a concentration gradient). This requires energy from respiration.		
Link the structure of a root hair cell to its function.		
Describe a use for active transport in both plants and animals.		
Explain the difference between diffusion, osmosis and active transport		

# **Revision Success**



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# Pastoral Support and Behaviour

Mr. Watton - Head of Year 10

## Expectations are Paramount!

## **Attendance Expectations**

All at Barnhill EXPECT high standards of students at all times

- ▶ Being on time to school/form time 8:20 start time
- Being on time to lessons
- Attending school every day
- Having all appropriate equipment

▶ If you do not come to school on time, how do you expect to manage in the real world?

# Expectations are Paramount!

# **Classroom Expectations**

All at Barnhill EXPECT high standards of students at all times

- Being equip for learning- Bags, pencil case, books, Suitable School Bag, School Planner, Exercise books, Pencil case, Blue or Black Pens, Green Pen, Pencil, Ruler, Rubber, Pencil Sharpener
- Scientific Calculator
- Contribute in lessons
- ► Try your best!

Have you used **THUDS** before starting your work?

T = Title

H = Handwriting

U = Underline (question & date)

D = Date

S = Smartest work?

### Banned items

- ► <u>Hoodies are not allowed</u> onsite. This includes any time from the moment you enter the school gates.
- ▶ Use of phones/headphones on school premises -These will be confiscated.
- ▶ Chewing gum
- ► Aerosol sprays These can cause harm to other students
- ► Fizzy drinks



# Dressing for Success, 2023-2024

### Clothing to, from and in school:

- Blazers and ties must be worn in the school building at all times, except blazers during very warm weather.
- Black jumpers are no longer for sale and from September 2024 will not be permitted to be worn at all.
- Trousers must be tailored, not tight-fitting of any kind.
- Skirts must be knee length and not tight-fitting. Only kilts will be permitted from September 2024.







# Dressing for Success, 2023-2024

### **Footwear:**

- All shoes must be black leather-look dress shoes.
- Shoes must not be branded with sports logos of a kind or colour.
- No shoes with white or trainer soles.
- Do not be guided by what the supermarkets are selling in the 'Back to School' section.









# Dressing for Success, 2023-2024

### Lanyards, Jewellery, Hair & Make-up:

- Lanyard and ID card holders will be reissued in September.
- One pair of stud earrings and a watch only; no nose studs of any kind.
- No rings or bangles whatsoever, including material bracelets.
- Religious artefacts are permitted but must be minimal e.g. the Sikh kara. (Permission will be approved by a letter to the headteacher)
- Hair must be a single, natural colour. No two-tone hair colour allowed.
- Hair extensions are not permitted and could easily cause a safety issue in PE, Dance or Drama.
- No fake nails, extensions or nail varnish of any colour.
- No eyelash extensions



### Year 10 Team

Associate Headteacher Curriculum Impact KS4 & 5 Ms Qureshi	Assistant Headteacher KS4 Impact and Standards and PP Mr Mashida	Head of Year 10 Mr	Pastoral Support Ms Dixon	KS4 Raising Achievement and Transition Leader Mr Macauley	Raising Achievement Leader Applied (KS4 & 5) & Exams Miss J Jacobs	Raising Achievement Leader KS4 Mr Watts
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Amashida@barnhill.school

Lmacauley@barnhill.school

Jjacobs@barnhill.school

Bwatts@barnhill.school

### **Core Subject Leaders**

Head of English
Ms S Sriram

Head of Maths Mr M Sangha Head of Science Mrs I Ponnuraj

Ssriram@barnhill.school

Msangha@barnhill.school

Iponnuraj@barnhill.school