

# KS4: Let the journey begin!

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YEAR 10 INDUCTION EVENING

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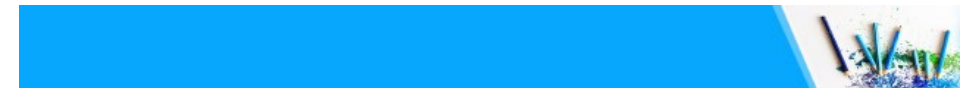
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1. What is expected from KS4 students?
  2. How can students help themselves?
  3. Review – T Cordwell
  4. How can parents support the KS4 journey?
  5. Staff support
  6. Next steps – D Hier

# Expectations at KS4

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- Take responsibility for their own learning.
- Take responsibility for any gaps in knowledge (attendance / difficulty)
- Every lesson counts – attendance, punctuality, behaviour , focus & review
- Review their learning – consistently and regularly.



study  
*(verb)*

The act of texting, eating  
and watching TV with an  
open textbook nearby.



# Review as Revision

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[cordwellt@turton.ukcom](mailto:cordwellt@turton.ukcom)

# The biggest challenge of GCSEs.

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The new GCSEs have seen an increase in the **amount** of content students are expected to know and in the skills they are expected to demonstrate.

The most common feedback we have received from students in the last 2 years has been about the amount of content they have to learn.

If they don't know the content, how can they apply it to the question?



# Why is Review important?

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We all know that memory fades over time.

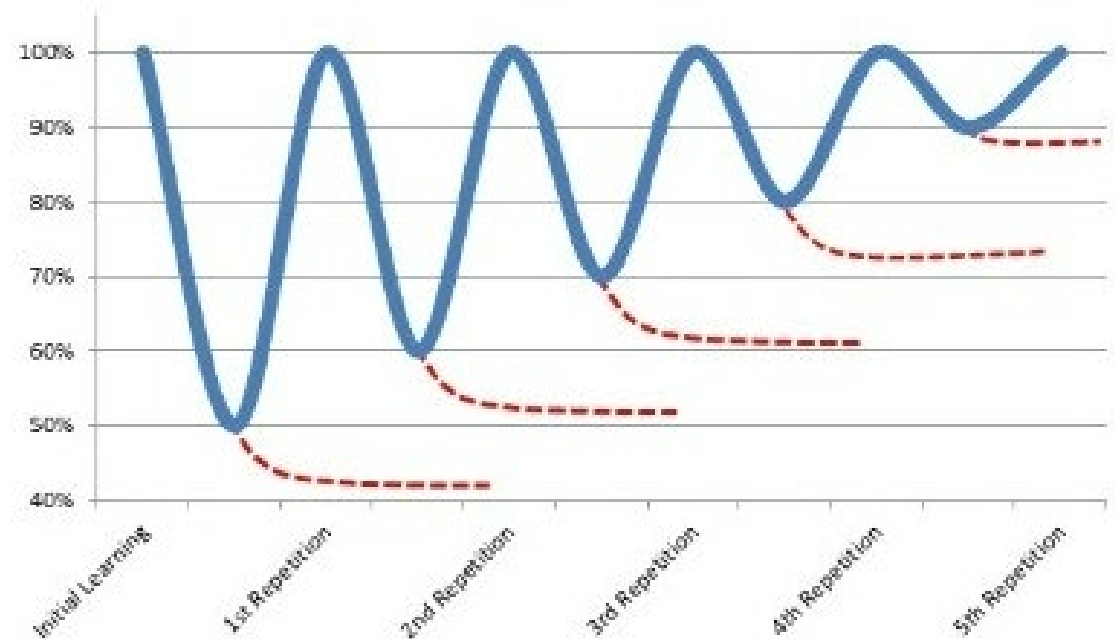
The same is true for learning.

This is supported by the science of memory.

When you revisit something you learned before, it refreshes that memory.

The more times you revisit something the more it sticks.

The best thing you can do is regularly review your learning.



# What is Review?

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The best thing for students to do is to review their learning.

Revision = looking forward to an upcoming test.

Review = looking back at what has just been covered.

Review is taking time to go over class notes from the last couple of weeks.



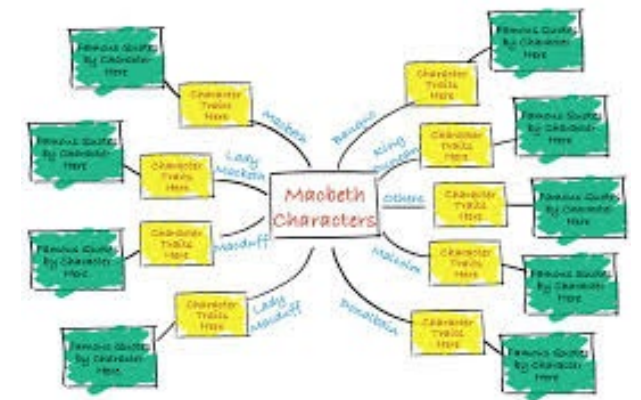
# How do you Review?

Review is not just reading over notes. They have to be used in some way.

Use review time to make revision resources such as Mind Maps, Flash Cards, or Bullet Points.

This will help students to remember what they've learned.

It will also provide them with a bank of revision resources to use when preparing for their GCSEs



**Multiplication and division vocabulary**

Term	Definition	Example
factor	a number that divides exactly into another number	factors of 12 = 1, 2, 3, 4, 6, 12
common factor	factor of two numbers that are the same	common factors of 8 and 12 = 1, 2, 4
prime number	a number with only 2 factors: 1 and itself	2, 3, 5, 7, 11, 13, 17, 19...
composite number	a number with more than two factors	12 (has 6 factors)
prime factor	a factor that is prime	prime factors of 12 = 2, 3
multiple	a number in another number's times table	multiples of 9 = 9, 18, 27, 36...
common multiple	multiples of two numbers that are the same	common multiples of 4 and 6 = 12, 24...
square	the result when a number has been multiplied by itself	25 (5 × 5)
cube	the result when a number has been multiplied by itself 3 times	27 (3 × 3 × 3)

**Fractions, decimals & percentages**

Fraction	Decimal	Percentage
1/100	0.01	1%
1/10	0.1	10%
1/5	0.2	20%
1/4	0.25	25%
1/2	0.5	50%
3/4	0.75	75%
1	1	100%

**Angles**

Angle	Measure
Full turn	360°
Half turn	180°
Right angle	90°
Acute angle	< 90°
Obtuse angle	> 90°
Angles on a straight line	180°
Angles inside a triangle	180°
Angles inside a quadrilateral	360°

**Shape vocabulary**

Shape	Definition
Perimeter	measure around the edge (circumference)
Area	measure of the space inside a 2D shape
Volume	measure of the space inside a 3D shape

**Roman numerals**

Symbol	Value
I	1
V	5
X	10

**Measurement conversions**

Unit	Conversion
1000m	1km
1000g	1kg
1000ml	1L

**2D shapes**

Shape	No. of sides
quadrilateral	4
pentagon	5
hexagon	6
heptagon	7
octagon	8
nonagon	9
decagon	10

**3D shapes**

Shape	No. of faces
cube	6
cuboid	6
triangular prism	5
square-based pyramid	5
triangular-based pyramid	4

**Coordinates**

Coordinates are given as (x, y). The x-axis is horizontal and the y-axis is vertical. The origin is (0, 0).

**The mean**

The mean is a type of average. To find the mean, add up all the numbers and divide by how many there are. E.g. the mean of 4, 5, 3, 6 is 4.5.



# What are we going to do?

Review Time: Tuesday and Friday in form.

Practice specific review techniques.

E.g. Mind Maps, Flash Cards, Bullet Points

Practice using those resources to revise

E.g. Contract and Expand, Self-Quiz, Read-Cover-Repeat

Review as Revision				
Year 10				
	Week Commencing	Day 1 (Tuesday)	Day 2 (Friday)	Homework
1	2 <sup>nd</sup> September	INSET		
2	9 <sup>th</sup> September	Introduction	Mind Map (teacher model and begin)	Complete your mind map
3	16 <sup>th</sup> September	Mind Map (Contract and Expand)	Mind Map (contract and expand)	Complete contraction and expansion
4	23 <sup>rd</sup> September	Mind Map (do it yourself)	Mind Map (do it yourself)	Complete a <u>mindmap</u>
5	30 <sup>th</sup> September	Mind Map (do it yourself)	Mind Map (do it yourself)	Complete a contraction and expansion
6	7 <sup>th</sup> October	Flash Cards (teach model and begin)	Flash Cards (complete set of Flash Cards)	Flash Cards (complete set of Flash Cards)
7	14 <sup>th</sup> October	Flash Cards (how to use them)	Flash Cards (how to use them)	Test yourself using the flash cards
HALF TERM				
8	28 <sup>th</sup> October	Flash Cards (Reflect + do it yourself)	Flash Cards (do it yourself)	Test yourself using flash cards
9	4 <sup>th</sup> November	Flash Cards (do it yourself)	Flash Cards (do it yourself)	Test yourself using flash cards
10	11 <sup>th</sup> November	Bullet Points (teacher model and begin)	Bullet Points (complete)	Complete a set of bullet point notes
11	18 <sup>th</sup> November	Bullet points (contract and expand)	Bullet Points (contract and expand)	Complete a contraction and expansion
12	25 <sup>th</sup> November	Bullet Points (Do it yourself)	Bullet Points (do it yourself)	Complete a set of bullet point notes
13	2 <sup>nd</sup> December	Bullet Points (Do it yourself)	Bullet Points (do it yourself)	Complete a contraction and expansion
14	9 <sup>th</sup> December	How to use a knowledge organiser (teacher model)	How to use a knowledge organiser	Use a knowledge organiser to complete a set of review notes
15	16 <sup>th</sup> December	Knowledge organiser	Knowledge organiser	
CHRISTMAS				
16	6 <sup>th</sup> January	Create a review timetable	Create a review timetable	

# How to make a Mind Map

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Today we are going to work together through a step by step process on making a mind map.

You may think you already know how to do mind maps, they're just facts connected by lines around a cloud right?

Well, there may be more to it than you realise. Have a look at the following method.

**You will need: pen, pencil, plain paper, class notes and any colours you want to use.**



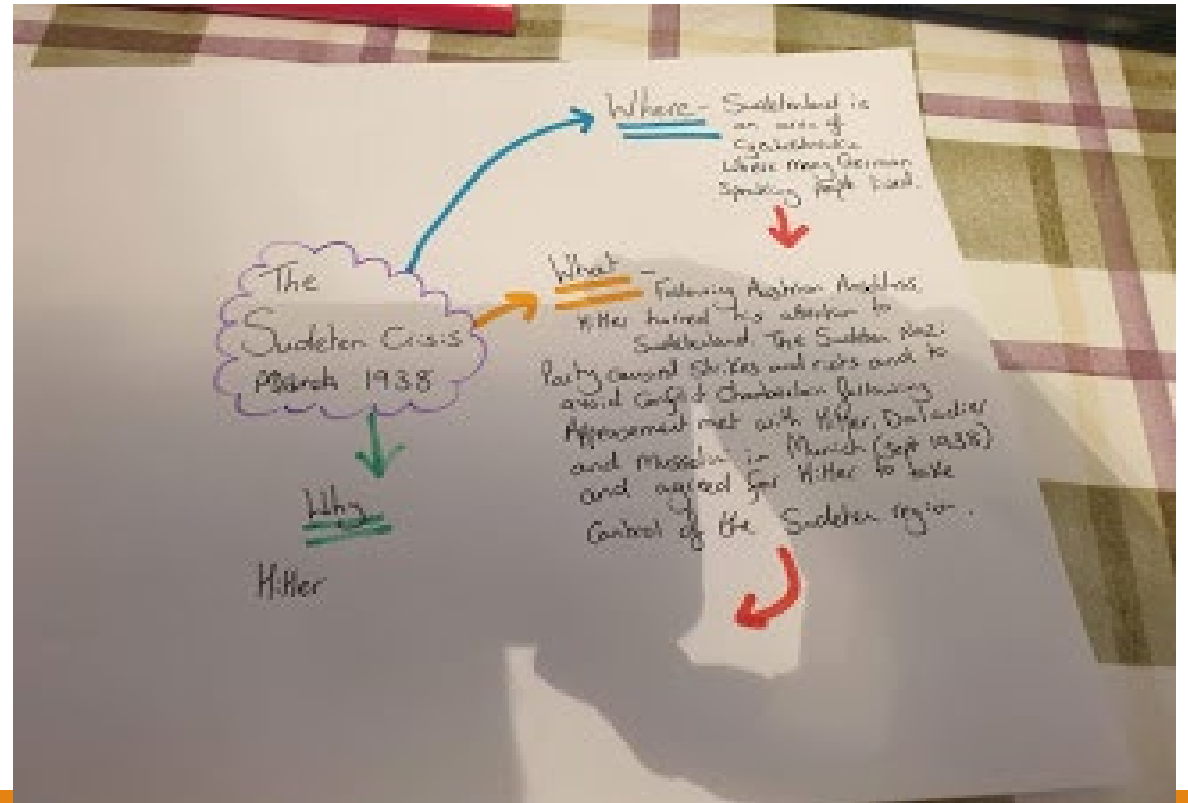
# Mind Map: Step 1

Decide how to break your topic down. Just writing History in the middle of the page is not going to be helpful. In this example we will look specifically at the Sudeten Crisis.

Next, decide how to break that topic into subheadings.

As this is an event I am going to start with **When, where, what, why**. You might want to choose different headings.

Give each heading the space it needs, but make sure you leave enough space to fit everything on the page.

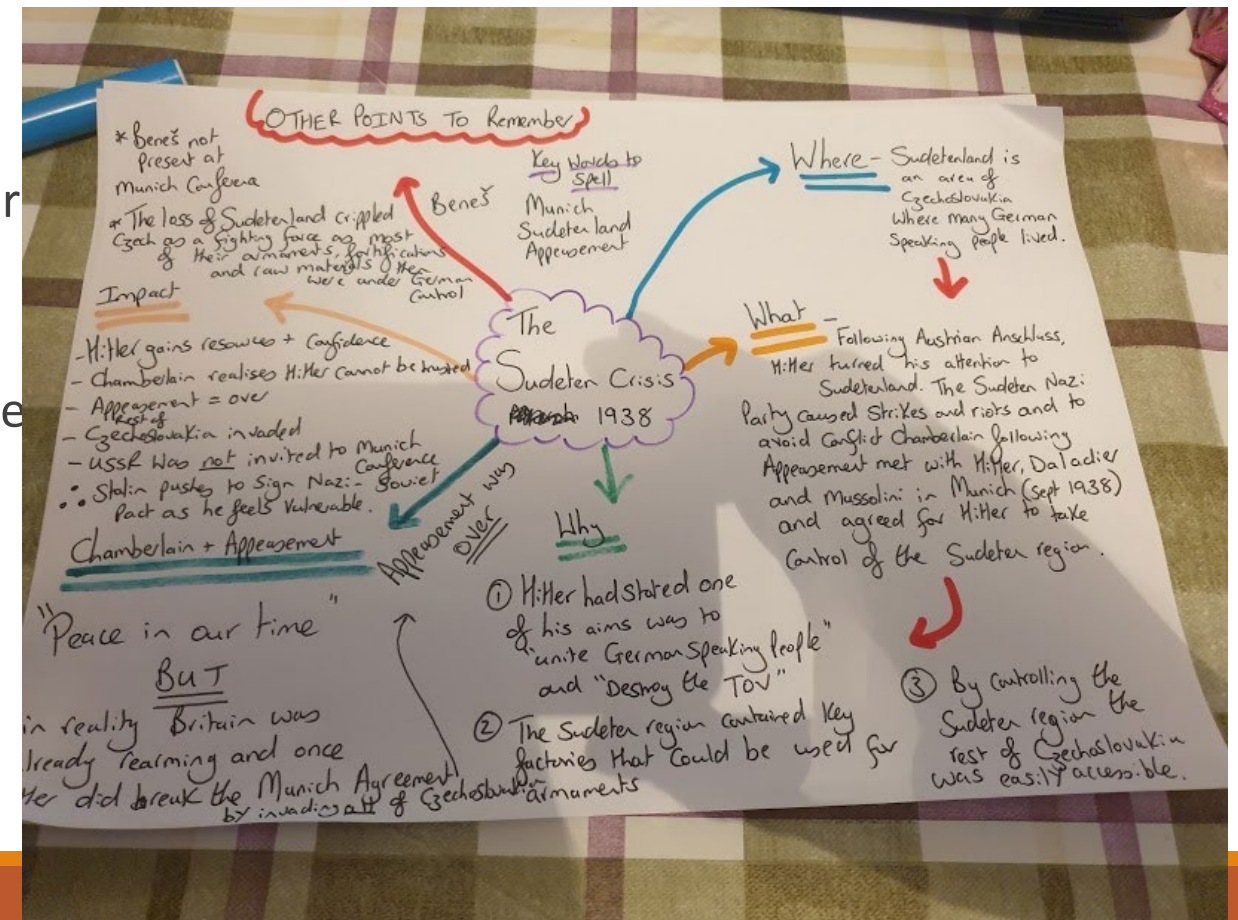


# Mind Map: Step 2

Consider your use of colour and underlining.

Think about how you can draw your eyes to particular sections of your notes.

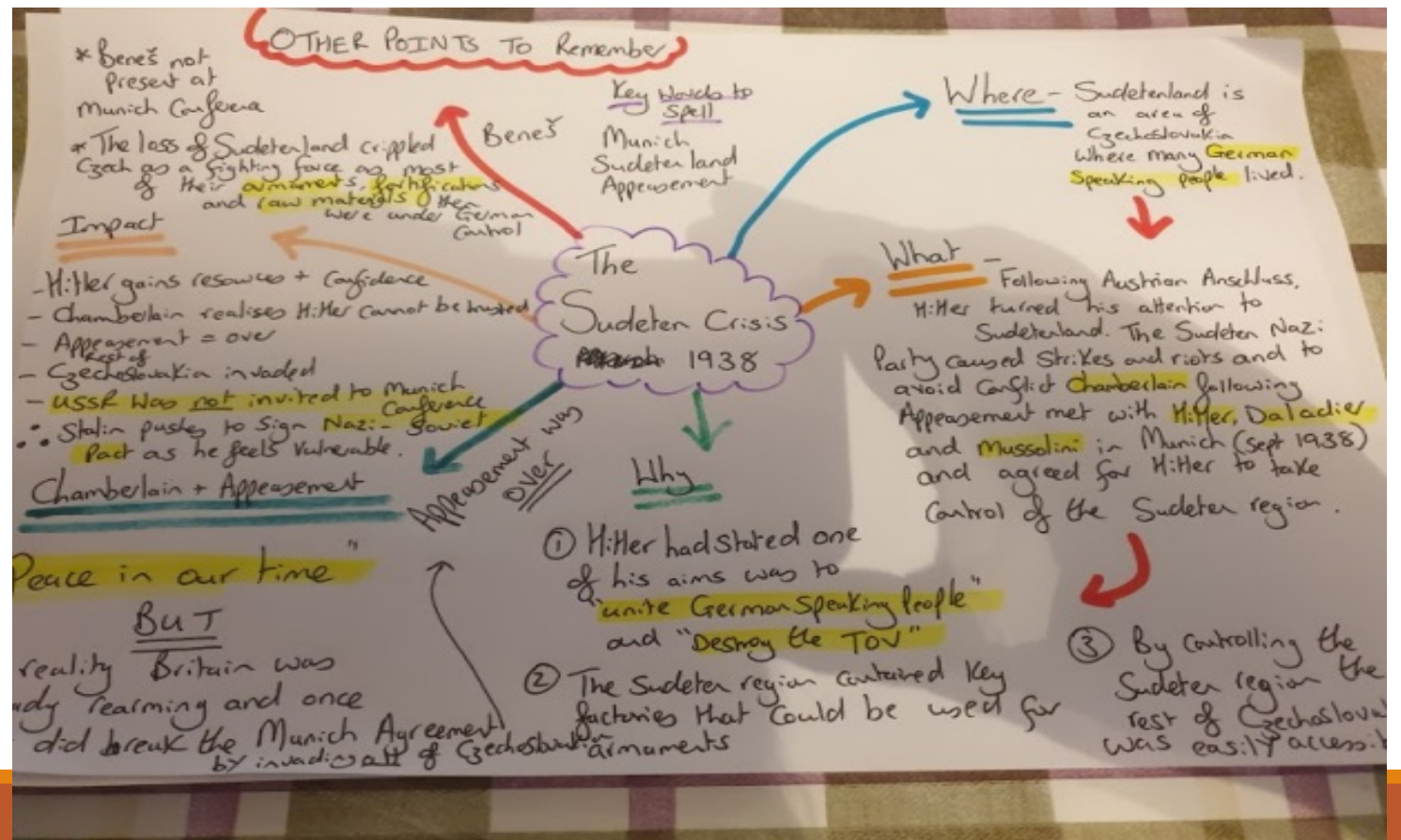
If you are a visual learner, print of key images that will help you remember the key detail you will need for the exam.



# Mind Map Step 3

Highlight any KEY information you want to commit to memory.

Now you should complete your own mind map to the best of your ability. **You need to bring a completed mind map to form on Tuesday next week.**





# Making a Timetable

A good timetable needs to be smart. It needs to take account of the daily realities.

We need to start by putting in everything we already do.

Lets start by filling in the time we are in School.

Remember to keep it neat, you'll be looking at it all year.

## Review Timetable

### Week 1

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9:00am	SCHOOL						
10:00am							
11:00am							
12:00pm							
1:00pm							
2:00pm							
3:00pm							
4:00pm							
5:00pm							
6:00pm							
7:00pm							
8:00pm							
9:00pm							
10:00pm							

- 1) Fill in the timetable to show when you are in school.
- 2) Then add any time spent at clubs, hobbies or activities.
- 3) Finally add your subjects in 30 minute blocks. You should review each subject every 2 weeks.

Subjects					
Eng Lit	Eng Lang	Maths	Physics	Chemistry	Biology
F&E					

# Making a timetable

Next, add in any times you know you will be busy.

Sports teams, after school clubs, or even if you always look after your little brother on a Thursday, add it in now.

# Review Timetable

## Week 1

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday				
9:00am	SCHOOL										
10:00am											
11:00am											
12:00pm											
1:00pm											
2:00pm											
3:00pm		History Club		Cindy Hop	Football						
4:00pm											
5:00pm											
6:00pm											
7:00pm		Dance									
8:00pm											
9:00pm											
10:00pm											

- 1) Fill in the timetable to show when you are in school.
- 2) Then add any time spent at clubs, hobbies or activities.
- 3) Finally add your subjects in 30 minute blocks. You should review each subject every 2 weeks

### Subjects

Eng Lit	Eng Lang	Maths	Physics	Chemistry	Biology
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F&E					
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# Making a timetable

Finally, decide when you will review each subject.

Remember to spread your subjects over both weeks.

You could do a block of review, or spread it evenly over the week.

You could do it during the week or at the weekend.

Review Timetable							Week 1	
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
9:00am	SCHOOL							
10:00am								
11:00am								
12:00am								
1:00pm								
2:00pm								
3:00pm		History Club		Clubs Hop				
4:00pm	Eng Lit	Eng Lang			Football			
5:00pm	Maths	Physics						
6:00pm								
7:00pm		Dance						
8:00pm			Chem					
9:00pm								
10:00pm								

1) Fill in the timetable to show when you are in school

2) Then add any time spent at clubs, hobbies or activities.

3) Finally add your subjects in 30 minute blocks. You should review each subject every 2 weeks

Subjects

Eng LitEng LangMathsPhysicsChemistryBiology

f&EHistoryDramaBusiness



# Finished!

## Review Timetable Week 1

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9:00am	SCHOOL						
10:00am							
11:00am							
12:00am							
1:00pm							
2:00pm							
3:00pm							
4:00pm	Eng Lit	History Club		Lindy Hop	Football		
5:00pm	Maths						
6:00pm							
7:00pm		Dance					
8:00pm							
9:00pm							
10:00pm							

- 1) Fill in the timetable to show when you are in school
- 2) Then add any time spent at clubs, hobbies or activities.
- 3) Finally add your subjects in 30 minute blocks. You should review each subject every 2 weeks

### Subjects

Eng Lit	Eng Lang	Maths	Physics	Chemistry	History
F&E	History	Drama	Business	Indonesian	

## Review Timetable Week 2

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9:00am	SCHOOL						
10:00am							
11:00am							
12:00am							
1:00pm							
2:00pm							
3:00pm							
4:00pm		History Club		Lindy Hop	Football		
5:00pm	Religion		Hor	Drama	Bus Studies		
6:00pm							
7:00pm		Dance					
8:00pm							
9:00pm							
10:00pm							

Review as revision means looking back over your classwork and your homework, creating revision materials and then using those materials. It is an ongoing process that should be completed on top of your homework. **Doing your homework does not count as review.** Mastering this work practice now will lead to huge success in later life.

### Subjects

Eng Lit	Eng Lang	Maths	Physics	Chemistry	History
F&E	History	Drama	Business	Indonesian	

# How can parents help?

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1. Talk to your son/ daughter about the work they are completing at home. Students should be completing the homework set by their subject teachers but also independently reviewing what they have learnt that day/ week / in that unit of work.
  2. How does your son / daughter record their homework? Are they doing this effectively? Where do they study? Are they organised / settled to work?
  3. Go to the School Website ....Learning section.... There are the **Knowledge Organisers** there for each subject. These have been created by each department so that students and parents can see exactly what their son / daughter needs to know for each subject. When students worry / complain they don't know what to revise then the first place to look is the Knowledge Organiser. Knowledge Organisers can be used:
    - To test your son / daughter's knowledge
    - To be used by the students to create their own revision material
    - To help students with their homework
    - To assess where students are up to with their revision – e.g. colour code what they feel confident with and areas still to work on.
    - Why not print copies off at home ready for students to use and for you to be able to help check the knowledge is embedded
  4. Encourage your son / daughter to talk to their subject teachers if they are having any problems / have any questions.
  5. Help ensure the punctuality and attendance of your son / daughter is the best it possibly can be

# How does school support your child?

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Subject teachers are the experts they will ensure students have a full set of notes to work from.

They will ensure that material is regularly reviewed in class, so knowledge can be embedded and gaps identified.

Subject teachers will either provide the students with knowledge organisers OR tell you where you can get revision material . This will help students when they are reviewing their work, but also when preparing for assessments.

Subject teachers will communicate with you to ask for your support, where needed.

The head of each department can help you if you have any specific subject concerns. These are listed in the staff information area of our website.

Mrs Wright is the Pastoral leader & your son / daughter's form tutor is only a phone call / email away to help.

# Form time

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Really important part of your school day

English and Maths activities

Revision ideas

Key Notices – Exams / Sixth Form / Careers / Prom etc

Some year 11 pupils last year missed out on Prom because of their poor punctuality to form time.

This doesn't just start in Year 11- start of Year 10 counts too!

# Next Steps!

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Careers advice: [bachj@turton.uk.com](mailto:bachj@turton.uk.com)





# Sixth Form

Continue your academic journey

Develop and enhance positive relationships with your teachers

Become part of the sixth form community

Small classes sizes and a wide range of subjects offered

Consider future career paths – help given toward UCAS and Higher Education



[hierd@turton.uk.com](mailto:hierd@turton.uk.com)

# What to expect in KS4

Year 10 Taster Day

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Application process

Y11 interview

Right subjects/ future careers

university/ apprenticeships

Work in KS4 lessons will link into the knowledge needed for KS5

**TURTON  
SIXTH FORM  
COLLEGE**

