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Prepare for Success!

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- Plan your time,
- Re-read, Re-draft, Recite, Re-test, Research, Rehearse & Record
- Essential Facts, Figures → Formula, Essay Model Answers
- Practice Questions
- ▲nswers → Mark Scheme
- Review & Reflect on your progress
- Enjoy your future success

PREP Newsletter Year 9 Autumn Term 1





Shenfield High School

What is 'PREP'?

'PREP' is what we do with the information we have learnt during the school day and how we prepare for the next day of learning. Evidence suggests that we only retain 50% of the information we learnt yesterday and after a week, we only retain 10%. The only way we can move the information we have learnt into the long-term memory is through re-visiting the information 4 or 5 times over a number of weeks.

In order to improve learning retention we are encouraging students to 'PREP' each evening after school. The focus of the time should be on the learning from the day and learning from the previous week, month and/or year.

'PREP' is short for PREPARE:

- Plan your time,
- Re-read, Re-draft, Recite, Re-test, Research, Rehearse & Record
- Essential Facts, Figures & Formula, Essay Model Answers
- Practice Questions
- Answers & Mark Scheme
- Review & Reflect on your progress
- Enjoy your future success

Each department has uploaded Go4Schools and the X: Student Drive with resources, practice questions and the answers.

Students should use the resources to PREP each evening and review any areas that they still don't understand. If students require feedback, help or guidance with their prep, they are encouraged to visit their teacher in a PREP Drop-In time.

The PREP Drop-In Timetable is available on our website and in this Newsletter.

Regular 'PREP' will lead to successful exam and assessment results.

How to use this Newsletter

Each subject has an explanation of the key assessment areas and where to find the resources for their subject. There are also extra websites, books, APPs, links and Super Curricular opportunities listed if you would like to look at a subject in greater depth.

The final part of the newsletter is filled with tips and strategies on how to 'PREP' successfully.

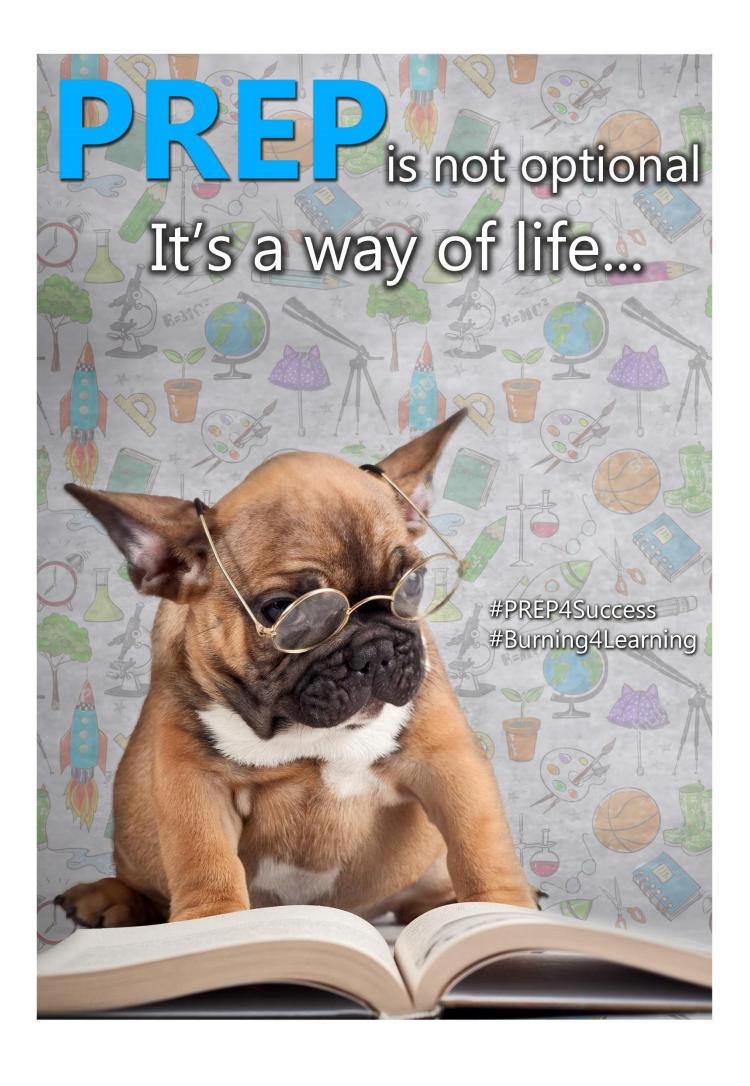
- Improving Memory Skills & Understanding PREP
- Funs Ways to PREP

All the tools, strategies and games listed can be applied to almost any subject. It is important to use the strategies to improve understanding and information retention before you have a go at practice questions. It is essential to have the knowledge first, before you apply it to an exam/assessment situation.

Don't try and tackle all the resources at once. Students will be guided by their teachers through explanations and feedback from assessments. There is a curriculum map on our website if you would like to look ahead and start looking at the next topic.

It is important the students find the right PREP strategy for them and use them consistently.

We hope you find this newsletter useful and welcome any feedback on how we can improve it.



		V	Vider PREP	Super-Curricular
English		Challenge Task	Create a collage of pictures that link to the social/historical context of 'Of Mice and Men'. You could include pictures of the Great Depression, the role of women and inequality in 1930s America.	 Activities Watch a Theatre production that is set in a similar time period (1930s America) Research the life of
	Of Mice and Men	Collaboration Task	Create a detailed character profile based on your favourite character from the novella. Include: key words, short quotations, links to context, how they fit into the text structurally and why Steinbeck has built this character.	 Steinbeck and make some notes on your findings. Read another book by this writer or another set in the same time period.
		Contribution Task	Write an essay in response to the following: 'How does Steinbeck present setting in his novella 'Of Mice and Men?'	

Mathematics	

		Wider PREP	Super-Curricular Activities
Data	Challenge Task	Mr Dennehy's Excellence Challenge: Maths: Discovered or Created? Watch the video below and think of three examples that support the argument that maths was invented and three examples that support the argument that that maths was discovered. TED ED "Is math discovered or invented? - Jeff Dekofsky" (https://www.youtube.com/watch?v=X xR5Kes4Rs)	 Visit the Royal Observatory in Greenwich, London. Home of Greenwich Mean Time (GMT), the Prime Meridian of the world and London's Planetarium. https://www.rmg.co.uk/royal-observatory Learn how Binary Code works https://ed.ted.com/lessons/how-
Indices/Sequences/Data	Collaboration Task	 Miss Albery's Excellence Challenge: <u>Mathematical photo wall</u> Bring in a photo/picture with an explanation of what maths can be seen. Really great examples might make it to Miss Albery's 'Mathematical Photo Wall' 	<u>exactly-does-binary-code-work-jose-americo-n-l-f-freitas</u>
Indic	Contribution Task	 Mrs Ballington's Excellence Challenge: In Rugby what is the highest score that can be made in only one way? Rugby scores are either 3 (a kick), 5 (a try) or 7 (a try and conversion). For example, the score of 14 can only be made two ways (2 tries and 2 conversions OR 3 kicks and a try) and the score of 7 can only be made one way (try and conversion). What is the highest score that can be made in only one way? 	

			Nider PREP	Super-Curricular
			Watch these 3 videos (links) GCSE Biology - Cell Types and Cell Structure #1 -	<u>Activities</u>
			YouTubeGCSE Science Revision Biology "Animal Cells" - YouTube The selection of GELL STRUCTURE AGA Biology and Against	Check out these places to visit.
		250	The whole of CELL STRUCTURE. AQA Biology or combined science 9-1 revision for paper 1 - YouTube (ONLY WATCH mins 0-3)	Body Worlds London
		THUS.	You are then going to review these videos and the	BODY WORLDS LONDON
		Challenge Task	way the information is delivered. Did the video keep your interest? If so how? if not, why not? What was the most interesting part of the video?	Duxford Museum Cambridge
nce	Cells		Overall which video do you consider to be the best? And why?	Duxford Museum Cambridge
Science	Ce	45	Find someone to compare your reviews to. How are	The Science Museum
		Collaboration Task	your opinions of the videos different or similar? Use this to suggest 3 ways the example videos could be improved.	
		43	Make your own SHORT (no more than 2mins) video of the same topic considering what you liked and didn't like about how the information was presented	Fancy a night infront of the box? Netflix Documentaries Our Planet
		Contribution Task	in the 3 example videos. You can show this to your teacher and discuss any challenges or difficulties you found.	 72 Dangerous Animals Unnatural Selection Explained

			Wider PREP	Super-Curricular Activities
Art	YEAR 9: ARTIST RESEARCH	Challenge Task Collaboration Task	 [HI] Find an Artist you haven't heard of before who uses Natural Forms as a theme in their work. There are so many artists out there, you could start by looking on some Gallery websites and searching 'natural forms' to find relevant artists. Try: www.tate.org.uk or www.nationalgallery.org.uk [HI] Pick one of the artists pieces, print off a picture of it and write about: 1. What media and techniques have they used? 2. What does it portray, why did the artist choose this theme or subject? 3. Why has the artist chosen to focus on nature? 4. What do you like about the piece? [HI] Taking the artist picture you have found, use it to make a new piece of your own- print off the image, once or multiple times and use this to make a new piece of art. You could cut it up and use collage, add 	 Super-Curricular Activities Visit an Exhibition of art: V&A: Beatrix Potter, Drawn to Nature, ends 8th January 2023 Read this Guide from BBC bitesize on how to write about Art https://www.bbc.co.uk/bitesize/guides/z2hp3k7/revision/4 Visit an exhibition of the work of Maria Bartuszova, who makes sculptures inspired by natural forms, at the Tate Modern 20 Sept-16 April. Watch this video about land artists Jon Foremans work https://www.youtube.com/watch?v=k02MaqDT fz8 Watch this video about artist Mareike Bohmer who is inspired by natural forms: https://www.youtube.com/watch?v=vucZl22w/Ak
		Contribution Task	paint over or round it, make it 3D. You can add other materials and change it any way you like.	

		W	ider PREP	Super-Curricular Activities
Computer Science	award	Challenge Task	 Practise your research skills by picking a random topic of your choice, and researching 5 random facts about that topic, along with any other relevant info. Turn this in to a piece of media of your choice (video, PowerPoint, poster etc). 	 Visit Bletchley Park - https://bletchleypark.org.uk/ Visit the Centre for Computing History http://www.computinghistory.org.uk/
	IDEA Silver aw	Collaboration Task	 Create a 10 question job interview to ask to a potential employee of a business of your choice. Use these questions to interview a family member/friend. 	 There is a plethora of Computer Science based films and documentaries across the common streaming services. Suggestions include: The Imitation Game, The Social Dilemma, The Social Network and The Great Hack (age
		Contribution Task	 Create a poster that can be displayed in the department that describes the importance of having good time management skills. 	restrictions apply. Consult parents or carers before watching)

		Wider PREP	Super-Curricular Activities
Verbatim Theatre	character, which includes these quotes. The quotes must		 Audition for the Whole School Musical! Wednesday 5th October – 3pm – 5pm in X1 Try and see a production at your local theatre, if you can – Panto season is upon us! https://brentwood-theatre.co.uk/whats-on/https://chelmsfordtheatre.co.uk/https://www.thebroadwaybarking.com/sales
	Collaboration Task	Work with a friend/someone from home to create an audio podcast based on the theme of internet/ online gaming safety, which we have been exploring in class. You will need to use a voice memo app on your phone, or you may borrow a Dictaphone. You may want to interview friends and family and their views on how to stay safe online and a "top tips" section. You must also state the organisations who can help. You can email your audio clips to your Drama teacher.	Stream professional Theatre productions for free! (Please be aware we have made suggestions on age appropriate productions for Year 9 pupils to stream. Not all the productions on these streaming platforms will be age appropriate) Digital Theatre Details:
	Contribution Task	 Contribute to your group's in class performance, by helping to organise the following: Bring props and costumes from home (with an adult's permission!) Organise sfx and send your Drama teacher the links, ready for the performance lesson https://sound-effects.bbcrewind.co.uk/search Write a script for the performance, to help your group members to remember their lines. Design the set or costume elements of your performance. This could be in a collage style, or on A4 paper. You could even create a 3D miniature set inside a shoe box! 	https://edu.digitaltheatreplus.com/ Login: student.Shenfield password: dt123 Watch: Billy the Kid, A Midsummer Night's Dream, , A Christmas Carol, Frankenstein (Black Eyed Theatre), Drama online Library Details: https://www.dramaonlinelibrary.com/ Username: 97QG8Dg)y+ Password: 2He(6Ed%Rv Watch: One Man, two Guvnors, Macbeth, Romeo and Juliet, Twelfth Night, Treasure Island

			Wider PREP	Super-Curricular Activities
Geography		Challenge Task	[HI] Research the role of mining in a country, such as Chile and South Africa. Write a report to explain the role of mining, impact of mining and how it has affected development.	 The Natural History Museum: You could visit the museum to explore exhibits about life on Earth. The museum is free to enter https://www.nhm.ac.uk/ The Science Museum: You could visit the museum to explore exhibits
	Rocks and Soil	Collaboration Task	[HI] Research the various career opportunities that link to geology. Choose one job and create a career profile that shows what the role is, what qualifications you need and the opportunities within that career. • Example 1. In the content of th	 the museum to explore exhibits about space. The museum is free to enter https://www.sciencemuseum.org.uk/ Birth of Britain: A documentary series that shows the tectonic and geological story of Britain. British Geological Survey: An interactive map of the geology of the UK.
		Contribution [H	[HI] Research different rock landscapes, such as Giant's Causeway. Create a piece of display work that showcases a how this landscape formed, the type of rocks in the landscape and the role of tourism at this landscape. Include pictures and diagrams.	 A Perfect Planet: The volcano episode references the importance of geology in supporting life. National Geographic: Articles on igneous, sedimentary, metamorphic rocks, the rock cycle and more

		1	Nider PREP		Super-Curricular	
History	ution	Challenge Task	[HI] Who was more important in helping medicine to progress during the Industrial Revolution, John Snow or Louis Pasteur? Use your knowledge of these two individuals and the impact of their work to explain your answer in paragraphs.	•	Victoria's childhood residence – Click <u>HERE</u> Tower Bridge – Click <u>HERE</u>	
	The Industrial Revolution	Collaboration Task	[HI] During the Industrial Revolution, some people started to realise that the conditions children were working in were unfair and extremely dangerous. Work with a friend to create a report into the conditions children were working in down the mines, in the factories and up chimneys. What is wrong with these conditions and what changes need to be made?	•	are many available – For an example click HERE The Science Museum – Click HERE Read 'Oliver Twist' by Charles Dickens or watch a film adaptation – Click HERE (estream)	
	The	Contribution Task	[RT] Historians have debated who they think Jack the Ripper was for many years. Contribute to this debate by researching into the suspects and then explaining who you think Jack the Ripper was.	•	Watch 'The Victorian Slum' available on estream – Click HERE BBC Bitesize – Click HERE Speak to your teacher about the books and magazines available to read in the department	

			Wider PREP	Super-Curricular
French	Module 1 – À loisir	Challenge Task	Tune in your eyes and ears Practice your listening and reading skills! Try watching your favourite television shows on Netflix (or similar) with the French subtitles. Alternatively, you could change the audio setting to French and have English subtitles! You could even try this with your games console e.g. PlayStation or Xbox, but remember how to change it back to English when you need to! You could always come along to MFL Film Club on Wednesday lunchtimes in H14 and talk about what you've watched or played!	• Visit a local French restaurant in your area – what do you recognise on the menu? Ask if you can take one home! • Take a look at the labels on your clothes, food items and other items around the home – what does the writing in French say? Can you work it out?
	2	Collaboration Task	Be a 'word-nerd' Find an article on the internet about anything that you are particularly interested in (e.g. sport, music, film, television) and make a list of new words and their meanings in English from what you find in the article. You can use Collins online French dictionary to help you with the definitions. Be proud and bring you work to lessons for your teacher to review!	



Are you a roving reporter...?

Using your own research create a fact-file of a famous city in France or any other French-speaking country and include the following information;

- The population (how many people live there)
- Where it is on a map of France (include the map)
- Three interesting landmarks/places to see
- Three interesting facts about the city
- Pictures to make your work more interesting
- Why is this city so renowned?
- Anything else you want to include!

We'd love to put your creation on display in the MFL Department, so get creative and make it interesting, colourful and informative!

Collaboration

Task

Wider PREP Tune in your eyes and ears... Practice your listening and reading skills! Try watching your favourite television shows on Netflix (or similar) with the Spanish subtitles. Alternatively, you could change the audio setting to Spanish and have English subtitles! You could even try this with your games console e.g. PlayStation or Xbox, but remember how to change it back to English when you need to! You could always come along to MFL Film Club on Wednesday lunchtimes in H14 and talk about what you've watched or played! Be a 'word-nerd'... Find an article on the internet about anything that you are particularly interested in (e.g. sport, music, film, television) and make a list of new words and their meanings in English from what you find in the article. You can use Collins online Spanish dictionary to help

you with the definitions.

teacher to review!

Be proud and bring you work to lessons for your

Super-Curricular Activities

- Visit a local Spanish restaurant in your area

 what do you recognise on the menu? Ask if you can take one home!
- Take a look at the labels on your clothes, food items and other items around the home – what does the writing in Spanish say? Can you work it out?



Are you a roving reporter...?

Using your own research create a fact-file of a famous city in Spain or (any other Spanish-speaking country and include the following information;

- The population (how many people live there)
- Where it is on a map of Spain (include the map)
- Three interesting landmarks/places to see
- Three interesting facts about the city
- Pictures to make your work more interesting
- Why is this city so renowned?
- Anything else you want to include!

We'd love to put your creation on display in the MFL Department, so get creative and make it interesting, colourful and informative!

		V	Vider PREP	Super-Curricular
Music	Pop Culture	Challenge Task Collaboration Task	 [HI] Listen to 'Sounds of the 90s' on BBC Sounds. Get an idea of how different pop music was during the 90s. Compare pop music from today. What differences do you notice? Is the music today or a better standard than the 90s? Why do you think this? Using GarageBand or any other music creation software, try to recreate your favourite current chart song as if it was created in the 1990s. You will need to learn how to play the chords of your song and record them in etc. [HI] interview a family member about their memories of the music from the 1990s. Think of 10 questions to ask them about: Their generic memories of the music from the 1990s. Who was their favourite 1990s artist and song? Why was this their favourite artist and song? What are their thoughts on artists now reusing songs from the 1990s to create new versions? Do they think this works? 	 Activities BBC Sounds – 'Sounds of the 90's'. Listen to a 90s playlist on any streaming service such as Spotify or Apple Music. A YouTube playlist can be found HERE. Watch the following link of the greatest hits from every month during the 1990s. The link is HERE.
		Contribution Task	[HI] Make a list of the key Pop music events that occurred during the 1990s. Create a timeline of these events. This will be shared with the class to raise the awareness of the importance of music from the 1990s.	

			Wider PREP	Super-Curricular
PE	Half term one	Challenge Task Collaboration Task	Running challenge - Download a running app on your phone e.g Nike run, MapMyRun, Apple smartwatch 'activity/Fitness', Fitbit, Strava. The Run 2.5 km 2 - Time your run 3 - Re-run and try to beat your time. Challenge points will be awarded for evidence of improving your time. Create your own Sports Game! 1: Find an appropriate space 2: Choose the number of people. Can everyone in your home be involved? 3: Decide the rules: How do you use the equipment? What are the playing areas? What is the scoring system? Who wins? 4: PLAY THE GAME! 5: What's next? Name your game. Teach it to someone Create a poster showing how to play.	 Activities Watch some sporting events live (if possible) or watch on the television: September: 2022 sporting calendar: Big events from Winter Olympics to the World Cup - BBC Sport Register for the Vitality 5km parkrun: register parkrun UK Download the 'Headspace App' and take part in some different activities. Join the couch to 5km: Couch to 5K Training Plan -A Complete Guide for Beginners (runtothefinish.com) Complete a home workout: 30 Minute No Equipment Home HIIT Workout The
		Contribution Task	Bring you school planner to extra-curricular clubs. Once the morning, lunch or after school club has finished, ask a member of PE staff to sign on the day you attended that club. 8 Signatures from staff will result in a contribution point!	 Watch some live sport in London: Sport in London - What's On - visitlondon.com Play competitive sport! Join a new sports team, find a facility and go out and play sport with your friends. Watch some sport in your local area.

			Wider PREP		
	a		Challenge Task	Research the life (and death!) of Jeremy Bentham – the man who founded the moral theory of utilitarianism and the life and views of Joseph Fletcher who came up with the moral theory of Situation Ethics.	• Watch the film "The imitation game to show how Alan Turing used a Utilitarian approach when he helped with the code breaking of WW2 • record a video which shows a pretend scenario where you would use your conscience. Record 2 versions of the morally good and morally bad possible responses. How do people know how to act morally? • Write a review of a book or film that has a moral theme to it. Would you recommend it to a friend? Why?
	Social Science		Collaboration Task	Write a table of where else we see rules and guidance. Who makes those rules and what are the punishments or rewards that go with them? If you ran the country, or a school, or a place of work, what rules would you have and Why?	
			Contribution Task	Research the science and psychology behind the idea of the conscience, what does that actually mean and explore the scientific and religious links and ideas. This will allow you to contribute more in our lesson on the conscience or how this contributes to the other related topics which we study.	