

**Year 7 Prep: Autumn 1**

This half term your child will be set a homework project for Chemistry, Dance and ICT.

**Dance**

Your child is completing a project for dance. They will be enquiring into different styles of dance from around the world.

* The first task is to create a wordsearch including as many different styles of dance they can find.
* The second task is to select one style of dance and research this in more detail, eg. where it originated from, specific movements, and the history of the style.
* The final task is to design a costume for the selected style of dance. Costumes can be hand drawn, created on a computer or made and should be colourful and annotated as to why your child chose the material/design.

Students have been asked to look at this project to help their knowledge and understanding of different cultures and styles within dance which supports elements they will study at GCSE.

**Chemistry**

Students will be looking into ‘how to stay safe in the lab’ concentrating on recognising and identifying hazard symbols. They will also be researching the definition of key scientific vocabulary which they will continue to use in their science lessons throughout their time at Mayfield. Finally, they will be designing and carrying out their own investigation to determine what happens when you ‘freeze your breath’.

Students have been asked to look at designing an experiment. This will help prepare them for GCSE by providing them with the skills to plan detailed experiments, identifying the independent, dependent and control variables. Writing a brief a prediction and method as well as evaluating their results. This is a vital skill throughout their science education, especially when it comes to completing required practical’s later at GCSE level.

The students have been advised to break down the project into the following small tasks:

* Identifying hazards in the lab and then create a poster to ensure the safety of others in the lab.
* Define key scientific terms and write brief instructions to help others draw a results table.
* Investigate what happens when water changes state.

**General guidance for parents**

The teacher will provide your son/daughter with individual deadlines and talk through the task in lesson time.

All information is available on Sharepoint including differentiated worksheets, extension tasks, a mark scheme and help resources.

Homework must be handwritten.

Homework club runs afterschool between 3-4pm to support students and help them access resources.

The Sharepoint can be accessed through the main school page

Students should spend half an hour completing homework for each subject each week.

The below chart outlines common problems a student might face and how to overcome them

|  |  |
| --- | --- |
| ***What your child might say…*** | ***Guidance*** |
| ‘I can’t log onto Sharepoint…’ | Your child should contact their ICT teacher. |
| ‘I can’t work out how to find things on Sharepoint…’ | Your child should attend Homework club. |
| ‘I don’t understand the task…’ | Your child needs to speak to the subject teacher. |
| ‘I’m falling behind with my deadlines…’ | Your child needs to speak to their tutor. |

Should the issue not be resolved or your child continue to struggle then please contact the tutor or Head of House.

**ICT**

Students will be enquiring into how the internet and world wide web has developed over time and what the impact is on the way we work. Students have been asked to look at key meanings in IT/Computing on how the internet has developed and impacted on the way we work over time. This will help prepare them for GCSE by having a good understanding of key development on the internet and www and how development has impacted on the way we work today.

The students have been advised to break down the project into the following small tasks

* Key terms - online communication
* Research into how we communicate online
* Investigation into cloud computing
* How the WWW works
* Extended writing task, on the development of the WWW.