**Home learning pack (4) – Year 6**

I hope you are okay and keeping well. I’ve made contact with most families now and it was great to speak to you and see how you are getting on. I will be phoning those people I didn’t manage to make contact with this week.

I’ve included in this pack a suggested timetable for the week that I know a lot of you have found useful to help structure your day. Previous timetables and newsletters can be found in the archived section of the website underneath the ‘Year 6’ tab should you wish to access previous learning suggested.

In the mean time, if you have any queries, then please do contact me on sean.harman@jys.org.uk

**Topic Theme – Plastic Pollution**

I would like you to think about what writing outcome you would like to achieve from the plastic pollution research you did last week. To help you with your understanding, I’ve included a reading comprehension sheet that has lots of useful information about plastic pollution as well as some links to other useful article/videos below.

You will need to think carefully about the **purpose** of your writing and your **audience**. This will help you focus on creating the right tone in your piece and help you to convey your messages about plastic pollution. Here are some examples of the different texts you could write:

- An **information report** informing the reader about your research, addressing lots of the questions I asked you to look at last week with facts and diagrams to help inform your reader.

- A **newspaper report** about the effects of plastic pollution on our environment (in fact today there was an important report published today on the BBC news website about the build up of microplastics on the ocean floor). <https://www.bbc.co.uk/news/science-environment-52489126>

- A **persuasive** letter or poster/advert convincing people to rethink about the amount of plastic they use in their daily lives. Think about your **audience**. Do you want to convince your local MP to put more pressure on supermarkets to reduce the amount of packaging we see on the shelves? Do you want to design an advert aimed at primary children to convince them to perhaps invest in reusable shopping back to help reduce plastic use at home?

- An **explanation** text, which explains an invention or method to reduce the amount of plastic we use in our society. Or an explanation poster outlining solutions with how dispose of plastic safely (you might want to think outside the box for this one!)

You may have your own ideas, so please feel free to go in any direction you like, and I look forward to seeing what you have written over the next couple of weeks.

**Other useful links:**

Carrie Cort, who came to visit Year 5 and 6 last term, does a lot of work with the local community in West Sussex to help raise awareness of environment issues we face and offers suggestions and solutions to environmental problems. There is some excellent information about plastics here: <https://www.sussexgreenliving.co.uk/recycling-zone/plastic-information/>

Last year there was a fascinating documentary about what happens to the plastic that we use in this country, presented by Hugh Fernley-Whittingstall and Anita Rani: <https://www.bbc.co.uk/news/av/science-environment-48581673/hugh-fearnley-whittingstall-finds-uk-plastic-waste-abandoned-in-malaysia>

The full documentary can be found on bbc iplayer.

**English**

<https://radioblogging.net> - A daily radio show with interactive activities to keep everyone busy and engaged, brought to you by Pie Corbett and friends. The weekday show provides lots of exciting creative writing opportunities, language games and a poem of the day.

<https://www.literacyshed.com/the-images-shed.html> - The image shed is a good starting place for setting descriptions or inspirations for a short story you may want to write.

**Maths**

<https://whiterosemaths.com/homelearning/year-6/> - Summer Term Week 3 and 4. Lesson activities that focus on **fractions and problem solving questions.**

<https://whiterosemaths.com/resources/classroom-resources/problems/> - A link to lots of challenging maths questions.

<https://nrich.maths.org/14559> - a variety of maths activities and games

<https://ttrockstars.com> - times tables

<https://corbettmathsprimary.com/5-a-day/> 5-a-day Questions: Start with the Gold questions and adjust to silver of platinum questions, if you need to do so. The answers are at the bottom of each monthly section.

**Science**

Our next unit is entitled ‘Animals including humans’. In this unit, you will need to be able to identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

Over the last two weeks the science lessons have focused on the **circulatory system** and **diet and exercise.** If you haven’t managed to compete these activities, then I suggest you look at these before moving on the next activity to help you with you scientific understanding.

Investigation - what impact does exercise have on your heart rate?

This week I would like you to design your own experiment, which addresses the above question.

You will need to plan for a fair test by making sure conditions are the same for each trail you do. Some things to consider include:

* Our heart rate before we start exercising
* Comparing one person’s results only with that same person’s results
* The time we measure our heart rate for during each trial
* The increase in intervals in time we exercise
* The type of exercise
* The intensity of exercise
* When we do the exercise
* How long after we stop exercising we wait to measure our heart rate
* Which place on our body we place our fingers / the heart rate monitor
* The equipment and / or software we use (if using technology)

The following week you will conduct your experiment and write it up.

A short video will be uploaded to the website on Monday to help you with your design so don’t worry if some of the above doesn’t make sense yet!

**Art and Design**

[How can we use visual texture to add interest to our artwork?](https://www.thenational.academy/year-6/foundation/how-can-we-use-visual-texture-to-add-interest-to-our-artwork-year-6-wk2-5) <https://www.thenational.academy/year-6/foundation/how-can-we-use-visual-texture-to-add-interest-to-our-artwork-year-6-wk2-5>

Texture Treasure hunt - <https://www.thenational.academy/year-6/foundation/texture-treasure-hunt-year-6-wk1-5>

<https://www.accessart.org.uk/art-resources-for-home/> - Art resources and ideas to help support your art learning.

**Geography**

There are lots of useful clips and interactive resources to help consolidate some learning from earlier this year (volcanoes, longitude and latitude, Galapagos island) as well as links to area of sustainability that links with our topic theme on plastic.

<https://www.bbc.co.uk/bitesize/subjects/zbkw2hv>

**Computing**

Lots of links to help with your understanding of computing can be found here:

<https://www.bbc.co.uk/bitesize/subjects/zvnrq6f>

**Design and Technology**

In the last pack, I asked you to design and build your own bird feeder. This is a project that you may still be undertaking, and if so, please continue to do so. If you did manage to complete your bird feeder, then it would be great to see how you have got on.

I’ve included in this pack an evaluation form to help you evaluate what went well and how to improve your product next time. These videos may be of use to help you understand the design process: <https://www.jamesdysonfoundation.com/resources/design-process-box.html>

**RE**

This year we have been learning about Judaism. Here are some useful links to help your understanding and to further consolidate your learning.

<https://www.bbc.co.uk/bitesize/topics/znwhfg8>

**Music**

There are lots of interactive resources here to help consolidate your understanding of pulse, rhythm, duration, tempo, melody, pitch, harmony and texture. There is music quiz (number 1) to help evaluate your understanding.

<https://www.bbc.co.uk/bitesize/articles/z7ryy4j>

**P.E**

Joe Wickes - <https://www.youtube.com/channel/UCAxW1XT0iEJo0TYlRfn6rYQ> -

The Ballet Coach <https://www.youtube.com/channel/UCjoXKtJLuyb6gAG3sQlyq0Q> - Ballet for all ages (including adults!)

**BBC Bitesize lessons**

<https://www.bbc.co.uk/bitesize/levels/zbr9wmn>

Daily lesson and ideas to help support you learning in all areas of the curriculum

**Oak National Academy**

<https://www.thenational.academy>

Weekly lessons on different areas of the curriculum to help support your learning