



Biddenham

International School & Sports College

Principal: Mr David Bailey

Head of School: Ms Eleanor Grylls

November 2023

Dear Parent/Carer

Thank you for your attendance last week to discuss your child's progress. We will be sending out information to you over the coming weeks to aid you in supporting your child's learning here at Biddenham.

Our first instalment is from the Science department with a focus on homework.

The homework below is a choice board. This is shared on your child's Science google classroom and on the Science Instagram page [bisscience](#) so you can support at home to ensure your child knows the deadline and the type of task they are required to complete for homework before the end of term.

Next term it will follow the same format and will include some tasks using some of our online platforms SAM learning <https://www.samlearning.com> and Seneca <https://senecalearning.com/en-GB/parents>

If you have any further questions about this you can either email the class teacher or contact the KS3 lead for science by email chloe.drake@biddenham.beds.sch.uk .

Yours sincerely

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Year 7: Homework Choice Board - Autumn Term

You need to complete a minimum of **5 tasks** before **Friday 15th December**. Please submit or hand in your completed homeworks to your science teacher. You do **not** need to complete all of the activities.

<p>1. Perfect It: Particles keywords Complete the doc. Try to use the keywords in your science lessons.</p>	<p>2. Think Big: What does a scientist look like? Write or draw your ideas.</p>	<p>3. Super Scientists: Find out about the following scientists, what have you learnt? You could create a fact file or poster about one of them. Sheikh Muszaphar Shukor Alice Ball Three black scientists you need to know <i>Further reading links have been attached to the assignment.</i></p>	<p>4. Let's Do It: Watch zoo webcam Document your experience.</p>
<p>5. Go further: Create a health and safety poster for a science lab to help new students in Biddenham.</p>	<p>6. Cool Careers: Read the following article and summarise your thoughts on this career. Life as a StreetDoctor intern: Khadija's story</p>	<p>7. Let's Do It: Take a beautiful wild photo of something in nature or draw/ describe what you see. <i>You can do this task from a window at home or school.</i></p>	<p>8. WOW! Science: Nitrogen Cloud Write a short summary.</p>
<p>9. WOW! Science: Read the article below, summarise what you have learnt: Explainer: The making of a snowflake</p>	<p>10. Super Scientists: Find out about the following scientists, what have you learnt? You could create a fact file or poster about one of them. Patricia Bath Mariam al-Asturlabi <i>Further reading links have been attached to the assignment.</i></p>	<p>11. Think Big: If we were to move to a new planet, what would we have to think about in order to all live well?</p>	<p>12. Go further: Plan an investigation to measure the melting point and boiling point of a substance over time.</p>
<p>13. Let's Do It: Listen to wild sounds, can you hear bird song, wind in the trees, honking geese or the rain falling? Record your findings. <i>You can do this task from a window at home or school.</i></p>	<p>14. WOW! Science: How Brunelleschi Built the World's Biggest Dome. Why is this dome important? What is special about it? more information Virtual tour of the dome</p>	<p>15. Go further: Trees have a bit of a problem, if their seeds are to stand a good chance of survival, they need to spread them to new locations. Research and summarise how they achieve this without moving parts?</p>	<p>16. Perfect It: Cells keywords Complete the doc. Try to use the keywords in your science lessons.</p>
<p>17. Cool Careers: Read the article below, summarise what you have learnt: Cool Jobs: Wild science</p>	<p>18. Let's Do It: Hot Chocolate Effect What have you learnt? <i>Science homework club is available if you want to complete this task, please only attempt at home if you have permission from your parents / careers.</i></p>	<p>19. Perfect It: Forces & Energy keywords Complete the doc. Try to use the keywords in your science lessons.</p>	<p>20. Think Big: Does science help you in other subjects? What skills, knowledge or ideas are similar?</p>

<p>21. Go further: Create a wordsearch or crossword using the science words you have learnt over the last few weeks.</p>	<p>22. Think Big: How Much Sleep Do You Actually Need? What might stop someone from getting enough sleep and what can they do to improve their sleep?</p>	<p>23. Let's Do It: Can we view a Tornado up close? What have you learnt? <i>Science homework club is available if you want to complete this task, please only attempt at home if you have permission from your parents/ careers.</i></p>	<p>24. Cool Careers: Read the following article and summarise your thoughts on this career. How to become a paramedic</p>
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Questions

How to show you have completed a task?

You can use a google doc or paper with drawings, notes, photos, videos of your work.

When do I show my teacher?

You can either hand in homework when you complete it or hand it in at any time before the date at the top of the homework page.

By the end of the term, you will need to have completed at least 5 tasks.

Why are the tasks colour coded?

The tasks are colour coded to help you decide what type of activity you wish to complete.

Perfect It - Tasks related to science lessons that will help improve your understanding

Super Scientists - Scientists throughout history that you may not have heard of

WOW! Science - Interesting stories in science to inspire you

Go further - Tasks using the knowledge you have gained from your science lessons

Cool Careers - Careers in science or that use science

Let's Do It - Practical tasks to get you 'doing' science

Think Big - Extension tasks to help you gain mastery in science

Science Homework Club

To help you, Miss Drake will be running a weekly homework club every Tuesday from 2:40-3:10 pm in T12.

You can come to the science homework club as much or as little as you need.

Awards and Prizes

Your teachers will grade your work and house points will be awarded for effort, for lovely pieces of work and for engagement.

Certificates will be awarded to students who have create amazing work:

Bronze award - 8 or more tasks completed with evidence

Silver Award - 10 or more tasks completed with evidence

Gold Award - 12 or more tasks completed with evidence

Diamond Award - All 24 tasks have been completed with evidence

If you need help

Please talk to or email any of the science team, we are all happy to help and to see you succeed.