Here are a range of activities/websites linked to our Science topic on Forces. Children can pick the activities they would like to complete and can record in their work book or even do some of their activities on Purple Mash and save them in their personal folders. The activities are staged at different challenge levels. The higher the star rating, the more tricky and/or more resources/time are required to complete the task.

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| **Challenge Level** | **Activities**  **Week 1** | **Activities**  **Week 2** | **Activities**  **Week 3** | **Activities**  **Week 4** |
| **\*** | Complete the **Forces in Action Activity Sheet**. For each picture, name the forces acting on the objects and draw an arrow for each force to show the direction it is acting in. Then, draw your own examples of forces acting on objects, drawing arrows and labelling the forces. | Read the fact sheet on Sir Isaac Newton and create a poster highlighting what you have learnt about him. | Create a Forces word search; highlighting all new vocabulary learnt so far. | Choose one Forces activity from Purple Mash. Remember to save them in your personal folders. |
| **\*\*** | Carry out a simple experiment showing how different forces work against each other. Takes pictures of you carrying out your experiment; noting down what is happening and labelling the forces that are evident. | Read the fact sheet about Sir Isaac Newton and answer the comprehension questions. | Choose one Forces activity from Purple Mash. Remember to save them in your personal folders. | Complete the Forces crossword. There are 3 levels within the document that is uploaded onto our class page. Please choose the one you feel best suits you. |
| **\*\*\*** | Create a game about different forces. This could involve true/false questions, follow the concept of snakes and ladders or snap. Be as creative as you wish. Don’t forget to write instructions for your game. | Read the fact sheet about Sir Isaac Newton and write a newspaper article about when he discovered Gravity. | Carry out an experiment investigating air resistance. Children can make parachutes using different materials and investigate which material works the best. They are to look at how different variables can affect air resistance and the outcomes of such changes. Please see worksheet on the class website page (week 3). | Complete the ‘Escape the Wind Tunnel’ game. Remember to note down all your answers in your workbooks. Alternatively, if you have a printer, they can be written on the sheet and this can be stuck in. |

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| **Useful Websites** |
| * <https://www.topmarks.co.uk/Search.aspx?q=forces> * <https://www.everyschool.co.uk/science-key-stage-2-forces.html> * <https://www.bbc.co.uk/bitesize/topics/znmmn39> * <http://www.primaryhomeworkhelp.co.uk/revision/Science/physical.htm> * <https://www.theschoolrun.com/what-is-a-force> |