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| Home Learning. Science- Space | | | |
| Age Range | Activities | Key teaching points | Resources |
| 4-6 years old  4 – 6  5+ | * Discuss how we know its Day time. * What do we see in the sky during the day? * Discuss how we know it is night time. * What do we see in the sky during the night? * Draw a picture of the view from their window during the day and then again at night time – including sun/moon/stars/streetlights.   Back to Earth with a Bump Ebook  Design your own planet | * Can discuss the sun gives us day. * Can identify things we do during the day. * Can discuss the moon gives us night. * Can identify things we do during the night.   Variety of space based learning activities  Design your own space planet | * Look out the window. * Go for a walk.   Back to Earth with A Bump Ebook and activity sheets  Paper  Pens/pencils  Activity sheet |
| 6-10 years old | * Discuss the seasons of the year. * Discuss what makes the season change? * Watch video. * Record sun rise and sun set times for a period of time. * Discuss with your child what they notice about the times. | * Describes how the earth spins on its axis. * understand how the Earth takes one year to completely orbit the sun. * Understand how the tilt of the Earth on its axis as it circles the sun causes the pattern of the seasons and changes to the number of daylight hours over the course of a year. | * Video   <https://www.youtube.com/watch?v=cDed5eXmngE>   * Paper to record sun rise and sun set times. |
|  | * Ask your child what the know about they know about the moon. * Have they ever noticed that the moon changes in shape? * Go through PowerPoint. * Make poster to show the phases of the moon. | * Knows the patterns and shapes of the moon. | * Phases of the moon PowerPoint. * Pens/pencils. * Paper |
| 10 years old and upwards. | * What do you know about planets? * Go through PowerPoint. * Look at flash cards. * Makes notes on each planet * Further research two planets of your choice. | * Knows the key features of the planets in the solar system. * This includes:   -size  -distance from the sun.  -length of day.  -length of year.  -temperate  - number of moons. | * Planets PowerPoint. * Planets flash cards. * Paper * Internet * Pens/Pencils. |
| 8+ | Space facts skimming and scanning activity | Develop the skill of skim and scan whilst learning about space | Pen/pencil  Skim and scan fact sheet |
| 8+ | Mystery of the missing space suit.  Solar System code breaker | Maths facts and problem solving around the theme of space  As above | Pen/pencil  Activity sheets |