

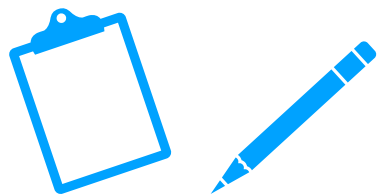
Thursday 18th March 2021



ONLINE LESSON

In this lesson we will:

- We will discuss acids and alkalis and the 'pH' scale which enables to identify how 'strong' an acid or alkali is. We will also discuss common, everyday materials which may be acidic, alkaline or indeed neutral.
- We will discuss safety and warning symbols you may see.
- I will start by discussing with you how I made a natural pH indicator which will change colour when acids or alkalis are added.
- We will observe some colour changes together when acids or alkalis are mixed with the indicator.
- How could we create art using these chemical reactions?



Sound switched "ON"



Your brain, as well as your 'Dhoon High 5' and 'Values'.



Follow up challenges/ suggested learning can be found below:

Thursday 18th March - Follow up challenges/ suggested learning:

(Remember that these can be attempted and revisited at any time throughout lockdown. :-)

Properties of Materials - Testing acids and alkalis using a natural pH indicator:

In today's lesson we tested some materials to see if they are acids or alkalis by observing colour changes in our red cabbage pH indicator.

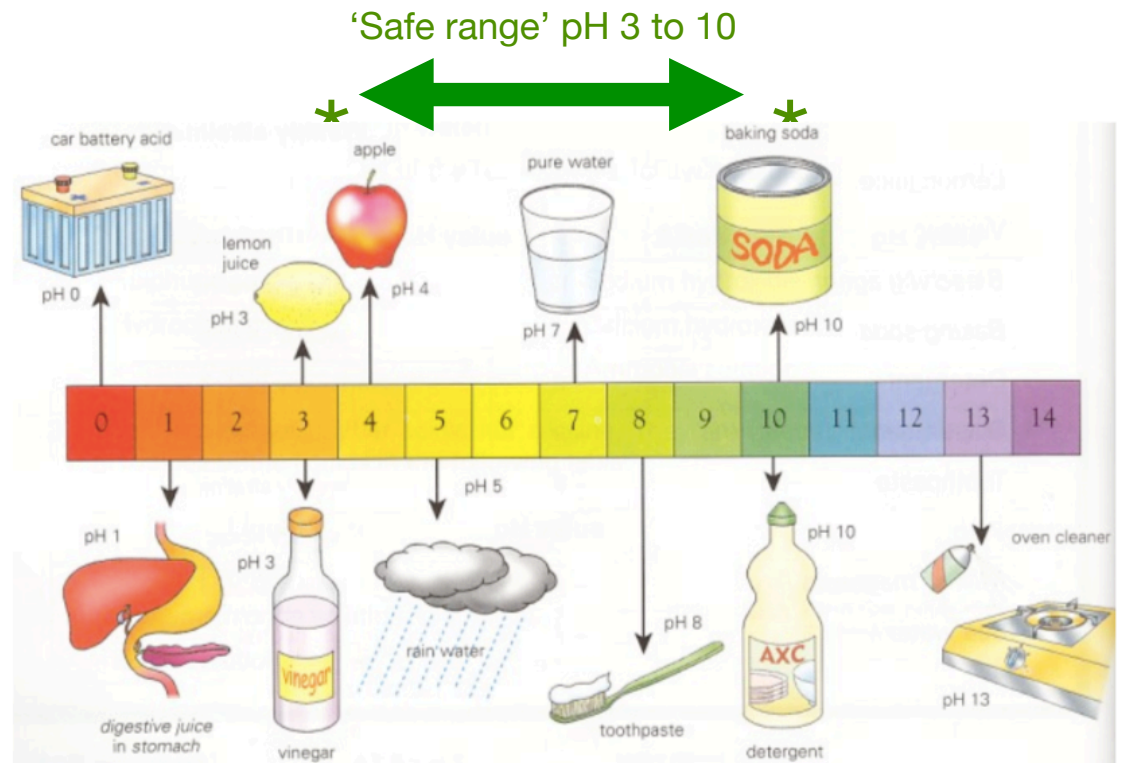
- Make your own natural indicator - Instructions for how to make this, or a blueberry pH indicator can be found by following this link: <https://www.osc.org/diy-ph-indicators-kitchen-chemistry/>
- Remember to have another look at the '*Acids and Alkalis Guide', which includes the safety guide below.
- Classify materials as acids and alkalis using your natural pH indicator. ***Please discuss with an adult and for our learning please only use acids and alkalis which are safe to handle.**
- Create your own art using natural indicator paper, acids and alkalis and associated colour changes.

Safety guide:

***Also watch out for and discuss warning labels, which you may find on products outside of our 'safe range'. For example:**



IF IN DOUBT - LEAVE IT ALONE



- **Fraction Workout 3** - Another slideshow full of questions to help you develop your understanding of fractions, including comparing fractions, as well as adding and subtracting fractions and mixed numbers. Give it a go and remember that sometimes it is useful to study the answers and work backwards. Bye for now :-)