CHEMISTRY AT HOME

COMPETITION GUIDELINES

DEADLINE: 23:59 Friday 8th January 2021

SUBMISSIONS: to be sent to olaveschemistryprefects@outlook.com. Please tell us your name(s) and form(s), along with a title and short summary of your submission.

BRIEF: Contestants will send a short video of themselves completing a chemistry experiment or demonstration at home as well as explaining the chemical concept they are demonstrating. This can be any concept, from electrochemical cells, to the reaction between vinegar and sodium bicarbonate. We hope that you will get creative and have fun!

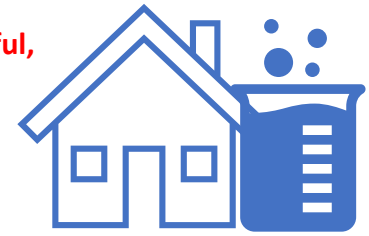
SOME IDEAS FOR YOU TO EXPLORE

- Looking at acids and alkalis: vinegar, fruit juice, fizzy drinks, baking powder, bicarbonate of soda, chalk, rocks and soil.
- Electrochemistry: potatoes and lemons.
- Indicators: red cabbage, beetroot, pea juice.
- Biochemistry: extracting DNA

CRITERIA

- Experiment completed AT HOME using self-sourced material, not school equipment.
- Experiment centred around one chemical concept, unless the concepts are linked. No random combination of slime making alongside a rocket launch!
- Video must be no longer than 5 mins
- Video need not be raw, any fun editing to aid explanation is welcome!
- Cutting to leave out long lengths of wait time is fine, just indicate on the video where you cut and for how long.
- Can be done solo or in groups of no more than 3.
- You must do the experiment and explanation yourself.
- You may include diagrams or text to help explain, but they must be in the video itself.
- A non-team member filming is fine.

WARNING:
Note all hazard labels, avoid using any products which are harmful, corrosive, toxic, explosive and harmful to the environment.
DO NOT mix cleaning products.
Be aware of the dangers of chemical experiments. Have adult supervision!! Anything too dangerous will be disqualified.



WHAT WE ARE LOOKING FOR

We will award points out of 10 for the following three categories:

COMPLEXITY AND CREATIVITY: Did you find out something new? Did you come up with your experiment yourself? Did you use your home resources cleverly? Did you put a novel spin on common experiments?

PRESENTATION: Did you present your experiment and explanations in a fun and engaging way? Was your video easy to follow and understand? Did you make eye contact with the camera? Would we want to do the experiment after your demonstration?

ACCURACY/DEPTH: Did you carry out the experiment scientifically? Did you explain the concepts correctly? Does your experiment actually demonstrate that concept? Did you include equations or diagrams?

These marks will be totalled out of 30. Prizes awarded to those with the highest cumulative scores. We may give special mentions to those who did not win but did very well in one of these categories!

PRIZES:

There will be three year-group categories –

Year 7-8 (KS3)

Year 9-10 (Early GCSE)

Year 11-12 (GCSE and AS)

Out of each year group, there will be 2 prizes, along with certificates that you can keep as a record!

Winner: £10 Amazon gift voucher, 50 house points, a mention in the newsletter

Runner up: Box of chocolates, 30 house points, a mention in the newsletter

But the best thing: You will get 10 house points for just participating!!

Thank you for getting involved!

We hope that despite not being able to have practical chemistry lessons in school, you can still practice those practical skills, while having fun. 😊