

Family Learning Session 3 – Venus

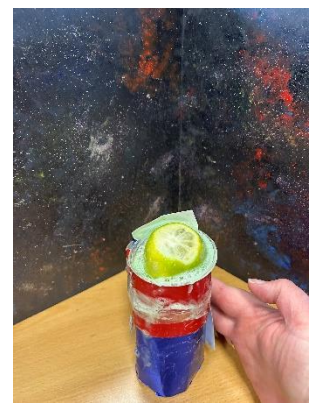
Solar System and Beyond STEM course.



During our session today we learnt about the 1,600 volcanoes on Venus! We carried out science experiments by making Venus' lava flow using the reaction between lemons, bicarbonate of soda and washing up liquid as our lava.



Our children joined us on the session, and we supported them to engineer the design of a volcano with card and predict the reaction on Venus' surface.



We discovered that lemon juice is very acidic because it contains citric acid which gives it the sour taste. When you mix an acid (citric acid) with an alkali there is a chemical reaction – we used bicarbonate soda as our alkali. It releases bubbles of carbon dioxide gas which mixed with our washing up liquid to give us volcano bubbles!