## Low-Cost Experiments in STEM Education



Stuart Naismith | Gartcosh Primary School | Gartcosh | Scotland, United Kingdom

## **Astrobiology: A Low-Cost Journey**

## Taking pupils from the classroom to the depths of space

During this **eight week after school club**, pupils engage with **space and the search for life** in the universe through **low-cost activities exploring a range of scientific disciplines**, developed in connection with the **UK Centre for Astrobiology** at Edinburgh University.

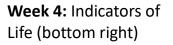


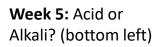
Week 1: Exoplanets; Timeline of the Earth (top left); Electromagnets (middle left).

Week 2: Balloon rockets (top right); Mars Rovers



Week 3: Pressure (middle right); UV Rays; Toilet Troubles







Week 6: Bone density; Mind Like Ours?









Using everyday household items to explore concepts that are out of this world, bringing together physics, chemistry, biology, social studies, health and wellbeing, art, and careers.