

Blowing Up Balloons

DID YOU KNOW?



Cambridgeshire businesses, such as SLB, are helping to solve some of the biggest problems facing the world today, including healthcare solutions. SLB are dedicated to helping the world achieve net zero carbon emissions by 2050 through carbon capture technologies, more efficient oil and gas systems, and developing and scaling up new energy systems.

RESOURCES:

- Balloons,
- white vinegar,
- bicarbonate of soda,
- bottles (small plastic bottles),
- funnel,
- small spoons.



ACTIVITY:

1. Use a funnel and small spoons to half fill an uninflated balloon with bicarbonate of soda.
2. Carefully half fill a small plastic bottle with vinegar.
3. Wrap the opening of the balloon around the mouth of the bottle, being careful to not spill any of the bicarbonate of soda into the vinegar.
4. When ready, lift up the balloon and allow the bicarbonate of soda to spill into the vinegar.
5. Watch as the balloon inflates.

CHALLENGES:

- What can the children see? Can they describe what happened?
- What could we do different to make the balloon blow up more?

Cambridge LaunchPad is a collaboration of Greater Cambridge science, technology, engineering and maths (STEM) organisations, who invest their talent and resources to inspire school children and young people into STEM careers. Our Industry Partners and School Partners are at the heart of the programme experience. By connecting education and employment, we can showcase the diverse range of careers and education pathways into STEM industries and meet the growing demand for a skilled workforce in the Greater Cambridge region.