



Autumn 2 2024

Curriculum Newsletter



Our Big Question...



This half term in Langstone Class



This half term our topic is 'Whose Earth Is it Anyway?' which looks at taking responsibility for the health and future of our planet.

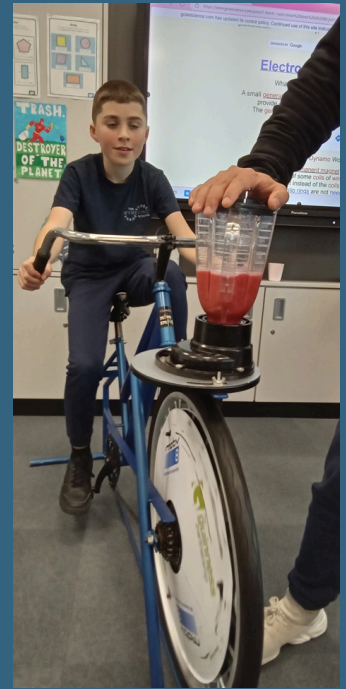
In Science and in Geography, we will be studying climate change, renewable energy and the effects of climate change and pollution on wildlife and on us humans.

English lessons will be linked to the topic, with a focus on writing in a persuasive way, through letters and posters.

In Art and Design we will be looking using recycled materials, culminating in our recycled fashion show at the end of term.

In Maths this half term we will be focusing on multiplication, solving written word problems and conversion of measurements (km to m etc.) As well as our planet-saving curriculum focus, our music lessons in 'Rock Steady' will continue up until Christmas as well our studies in PE, BTEC Home Cooking, Mental Health and Wellbeing and Life Skills. In PSHE we are looking at the difference between legal and illegal drugs and the issues surrounding them.

STUNNING START - SMOOTHIE BIKE



To start our new topic on climate change & sustainability Langstone Class got to try making healthy smoothies using using a renewable energy source.

How it works:

Kinetic Energy of the Rider Leg Muscles in Action

When you pedal a bicycle, your leg muscles generate kinetic energy. This energy is produced through a series of muscular contractions and relaxations, converting the chemical energy stored in your body into mechanical energy.

The contraction of your leg muscles propels the pedals, initiating the movement of the bicycles wheels.

Kinetic Energy of the Bicycle Momentum and Speed

As you continue pedaling, the kinetic energy generated by your leg muscles transfers to the bicycle. This energy is stored as kinetic energy in the moving parts of the bicycle, such as the wheels, chain, and gears. The faster you pedal, the greater the kinetic energy of the bicycle becomes, resulting in increased speed and momentum.

The bikes wheel had a cog touching it that rotated when the wheel spun, this turned the mechanism in the blender. The faster we pedaled the faster the blades of the blender spun.

It was a lot of fun and the smoothies were delicious!
(Although we don't recommend, milk, Oreo and natural yogurt!)

Dairy Dates:

Friday 15th November
Children in Need
Bounce - a - thon



Monday 2nd December
Paralympian Visit and
Sponsored Circuits



Thurs 12th December
Christmas Market
at School



Tuesday 17th December
Panto Trip
Rapunzel at the
Groundlings Theatre



Wednesday 18th Dec
KS3 Fantastic Finish
Recycled Fashion Show
Parents Welcome



Friday 20th December
End of Term
1pm Finish

**HAPPY
HOLIDAYS**

