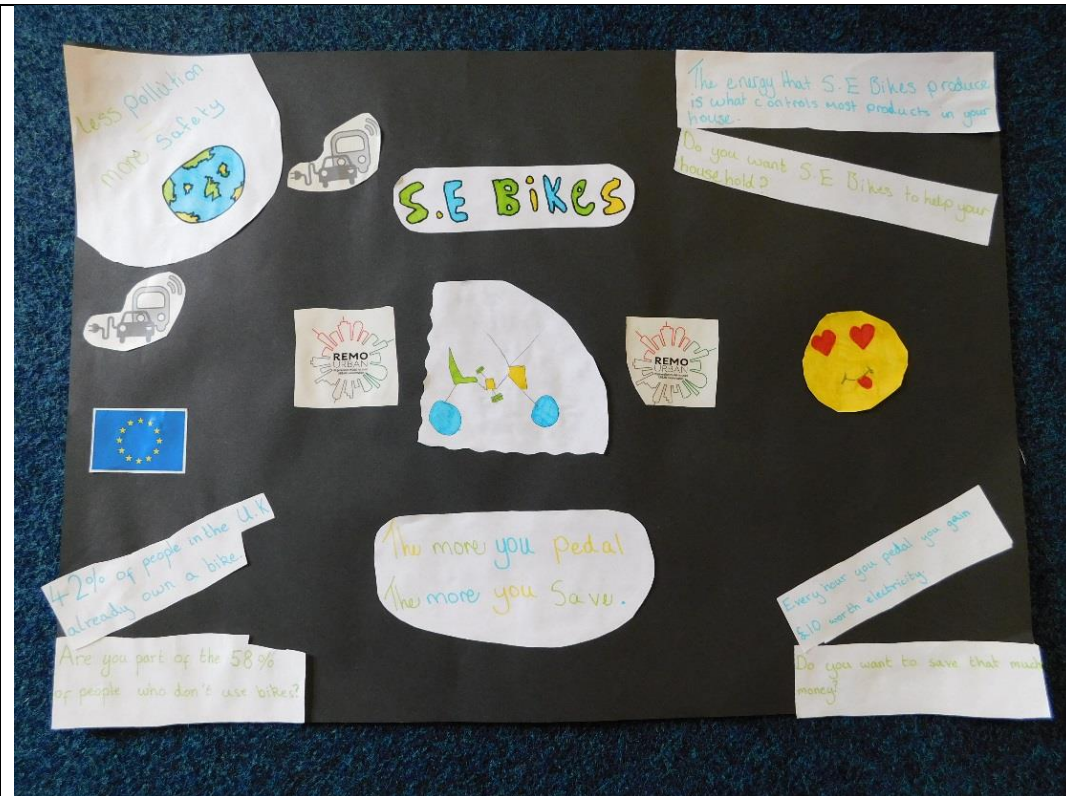


## Year 6 #SmartNottingham Ideas

picture	#Smart Nottingham ideas
	<p>Toby, Fatima, Diamond, Gocde</p> <p><b>Solar Powered Charger</b></p> <p>Solar powered charger for phones, tablets, Ipods and even cars.</p> <p>Charge your phone with renewable energy.</p> <p>Encourage people to spend less time on their phones.</p> <p>Don't waste energy, remember to turn it off at night time.</p>
	<p>Leo, Joe, Kelly &amp; Linden.</p> <p><b>Portable solar powered charger</b></p> <p>Can charge appliances anywhere.</p> <p>When light from the sun hits the panels it starts charging.</p> <p>Good for people who use their phone a lot as they wont run out of power no matter where there are, don't need to be near a plug socket.</p> <p>Convenient and good for the environment.</p>



Emily, Kadon, Rayyan & Aisha

**Saving Energy (SE) Bike**

A battery on the front of the bike is wired to the wheels and stores the energy that is made by pedalling. The further the bike goes the more energy is made and stored. Saves energy & keeps people fit at the same time. Can take the battery off the bike to use as a portable charger.

Takes traffic off the road and saves CO<sub>2</sub>

Version 2.0 planned – a battery that can be attached to any bike



Faine, Rayhan, Alan & Tiamo

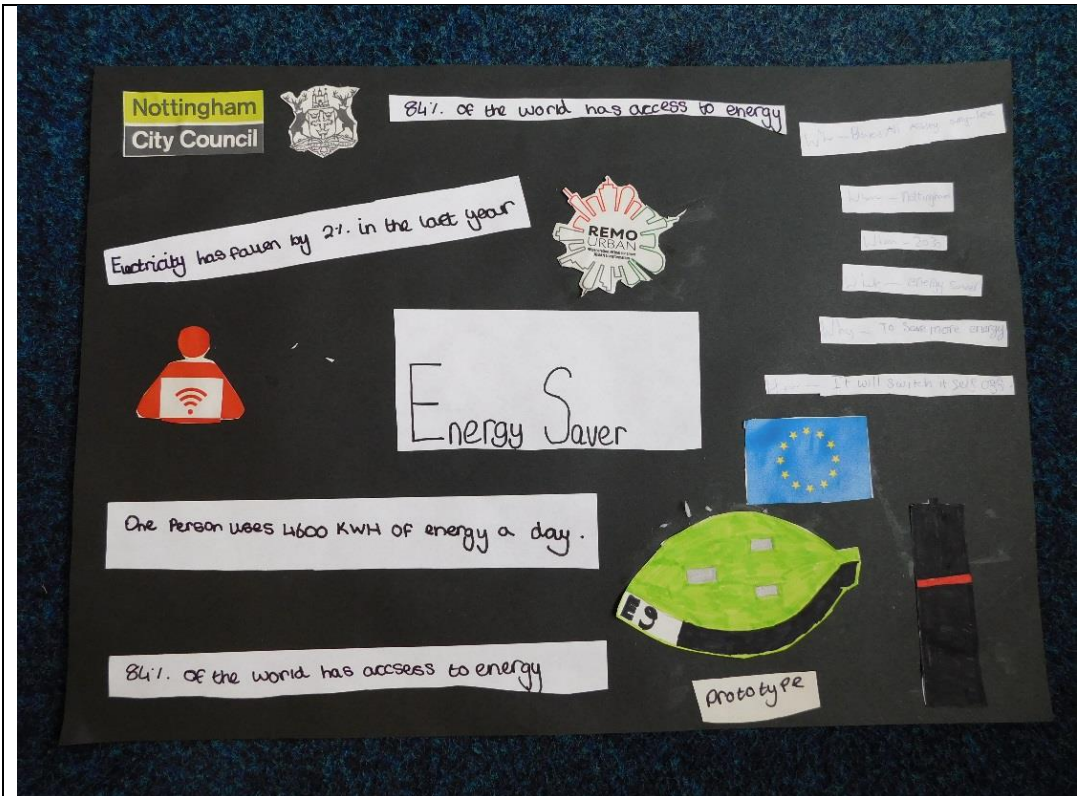
**Leaf Park**

Children play in the park and create energy by playing on the equipment.

The electricity is used by 150 houses near to the park.

There is a battery to store energy so the energy can be used at night.

Children are having fun and being healthy and the more they play the more energy is being created.



Ali, Amy-Lee, Ashley & Blake

### Energy Saver

A device that sits between the socket and the plug.

If an appliance is left on for ½ without use the plug will automatically switch off and stop the electricity, this saves wasted power.

This device will makes homes more environmentally friendly.

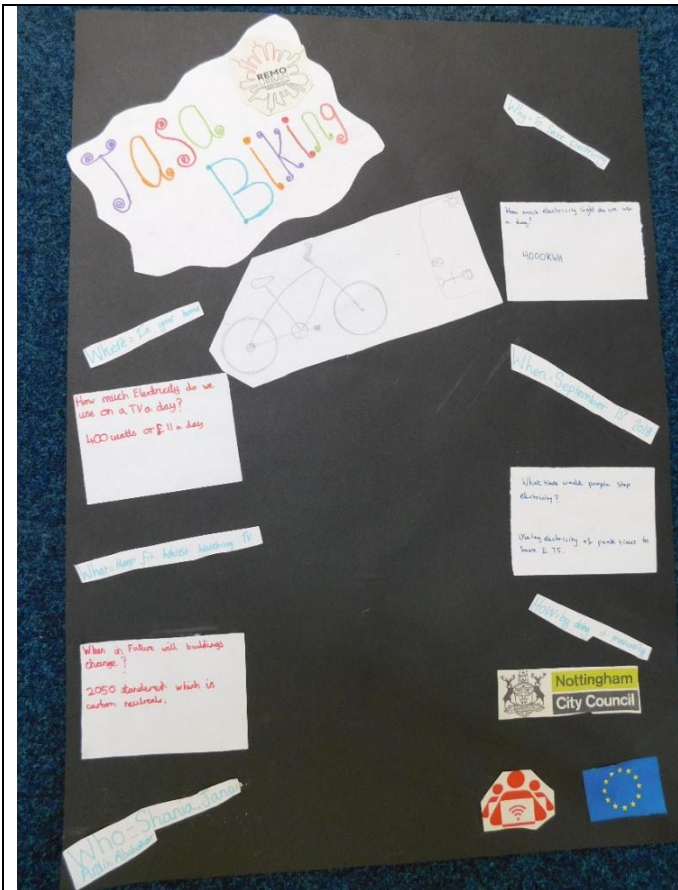


Rasheed & Ibrahim

### Sun Trap Garden

City's are nicer with trees, plants and flowers. Use walls of buildings to extend the available space for greenery and make cities look better.

Trees and plants help tackle pollution, cities of the future will be even more green to help tackle pollution.

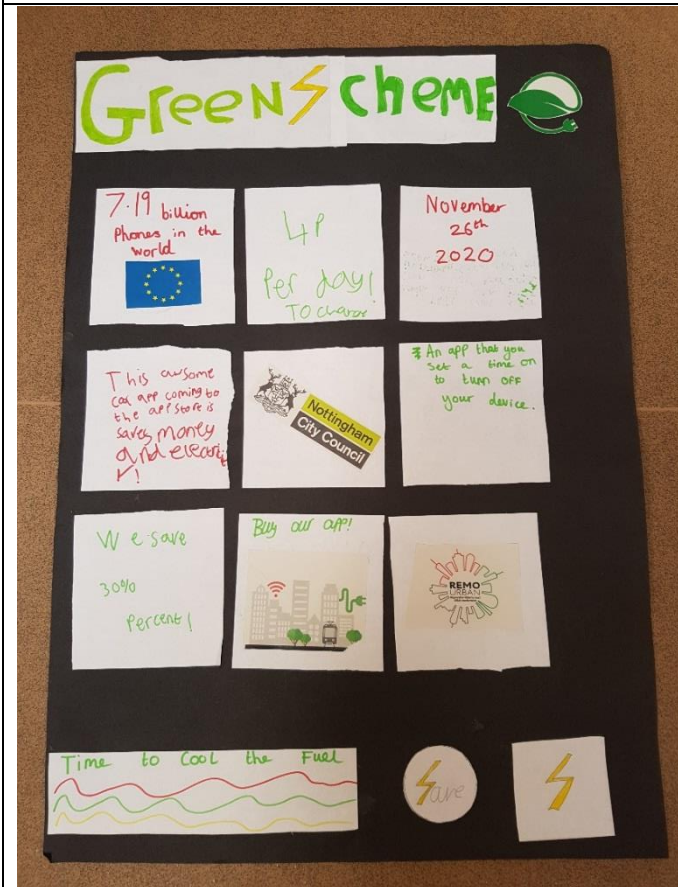


Janai, Shania, Ardit & Abubakar

**JASA bike** - JASA is the group's initials. This is an invention for people who like TV and want to keep fit. The exercise bike is connected to the TV. It measures the amount of exercise people are having and turns this energy into power for the TV.

Saves energy and keeps people healthy. Have to like watching TV but lots of people do.

Cheaper make own electricity and better for the environment. People watch a lot of TV so could have a big impact.



Dilova, Rhiannon, Ady, Cairian

**Green Scheme**

This is an App. Which is attached to electrical appliances.

People can set a timer to turn appliances off when they are not being used.

Can use this on all electrical appliances. Costs £5.50 a month but will save you over 30% off your electricity bill.

Encourages people not to waste energy.

In 2057 – the App will be downloadable to aliens!