

**Year 6 Science**  
**'Electricity' topic**  
**Week beginning 27.4.20**

Here are Year 6's light designs for their Electricity design brief! Each of the pupils chose a festive holiday of their choice and designed their own light along with the electrical circuit to make it work.  
 Thank you for sharing your light designs Year 6, they are fantastic!

**Light covering stainless steel**

Motor so it spins round  
 wood log and pot  
 train track making the trees go round  
 buzzer inside the pot so it buzzes every time it spins round

Buzzer  
 Light bulb

Switch off  
 = Buzzer  
 = Bulb  
 = Battery

This phenomenal invention will revolutionize Chinese New Year! This is the best Chinese lantern. Lots of light from the top. Hidden in the rim. You have a motor that spins the light around and it is hidden that you cannot see the motor. Then we have our switches that turn the light on and off. Then we have our motor-related light so you can see the motor-related light.

Light bulb  
 Motor  
 Switch

Motor, battery, a gear with gears

**THE ROCKIN' N' ROLLIN' SANTA!**

When you push the switch Santa's head starts spinning and he is playing the guitar. All the lights flash and the buzzer beeps.

29.04.20  
 Activity 1: Santa's 45-minute  
 When you press the button the buzzer goes and the lights start to spin.

When you turn on the switch the buzzer goes and the lights start to spin.

**ISRAEL JESUS**

From  
 Battery  
 Switch

**Winter Sleigh**

Presets for lights up and down  
 Bells for decoration  
 Decoration lights

**Festive Lights**

When the switch is on for the Chinese New Year lights, the switch is OFF for the Christmas lights.

Wednesday 29th April 2020  
 To compare our circuits for Christmas lights, we will use a battery, a switch, and a light bulb.

lights  
 battery  
 switch  
 small bulb  
 motor  
 buzzer  
 small bulb  
 motor  
 buzzer  
 small bulb

**Led Glass Stone**  
**Glow in the dark yellow**

The tip of each petal will be made, going into paper in the middle.  
 The battery will sit above the motor, powering all 5 bulbs in the petals.  
 The motor will sit here and power each petal on a loop to open and close like a blooming flower at Easter.  
 30 petals shaped around a bulb. 2 bulbs for each petal.  
 The stem will hold the on/off switch.

**HAPPY BIRTHDAY**

Battery  
 switch  
 Bulb