

Main subject:
Science (Chemistry/Physics)

Linked subjects:
1. Art 2. RS 3. History 4. Music

Year
8

Fireworks!

The aim of this extension task is to:
Decide what makes a good firework (and display!)

Why Not?
It's just for fun!

Context of task:

Ever wondered how fireworks can produce lots of colours, different effects and different sounds? Now you can find out and decide for yourself what will make a great firework and an amazing firework display.

Questions / Issues to address:

Fireworks:

What causes the different colours in fireworks?

How will you make sure there is a good 'bang' (if you want one...)?

How do fireworks create two colours that are separate? What is needed to make sure they don't go off too soon?

What dangers are there?

What chemical reactions are involved?

Will more chemicals create a better firework?

Firework display:

What's your celebration?

How long have people celebrated using fireworks?

How will you ensure the timing for the fireworks?

Will you link the display to music?



Expectation:

Discuss how you'll present this with your teacher but the minimum should be 2 sides of A4 with photos and some chemical equations!

Deadline:

Try to complete before the end of the burning topic