

# Fireworks: The Missile in Disguise

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**The Missile In Disguise**

**Physics and chemistry in action!**

An accidental invention by a Chinese cook in the kitchen

Made from sulfur, charcoal and potassium nitrate

Combustion of this mixture produces gunpowder

Different metal salts produce different coloured fireworks

Copper salts give green fireworks

Strontium or lithium salts give red fireworks

Flashes and sparkles created using magnesium, iron and aluminium

Fireworks propel forward due to Newton's third law of motion

Symmetrical explosions of fireworks are caused by the law of conservation of momentum

**! DANGER!**  
If mishandled, explosions and different chemicals contained can cause extreme burns or death

Designed by: Aishwuriya Kunashankar

The infographic features a black background with yellow and red text. It includes several illustrations: a person in a kitchen, a hand showing three fingers, a fire, a laboratory setup, a lightbulb, a rocket, a Newton's cradle, and various colorful fireworks. A prominent yellow warning box with a black border is located in the bottom right corner.