

## WORKSHOP 4

### BLACK POWDER

**The activity in brief**

- A short teacher introduction to the history and chemistry of black powder followed by reacting mass calculation and subsequent student preparation and ignition of 10g of black powder.
- Optional teacher demonstration of 10g of black powder in an open ended cardboard tube.

**Student practical or teacher demonstration?**

Student practical or teacher demonstration at the discretion of the school and course tutor.

**Time needed to complete activity**

Approximately 1 hour for introduction, calculation and preparation of black powder. Optional teacher demonstration will add 15 minutes.

**Description of the activity in detail**

See student work sheet