<u>CWK</u>

### Combustion Practical 1

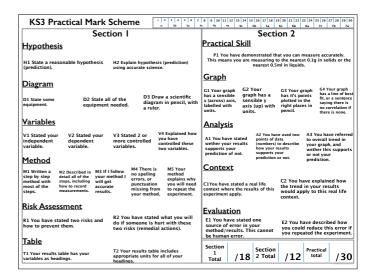
- To plan an investigation into the effect of volume of air on the time it takes for a candle to go out.
- · To carry out an investigation

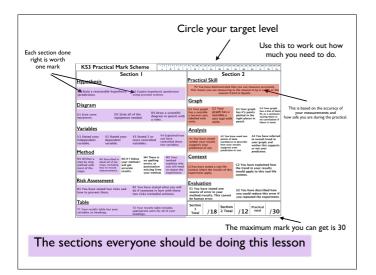
esson 22

An investigation into how the volume of a beaker will affect the time it takes for a candle to extinguish

## How do you think having less oxygen will affect a candle?

- VI: Independent variable: The volume of the beaker.
- V2: Dependent variable: The time it takes for the candle to go out.





#### **Hypothesis**

H1 State a reasonable hypothesis (prediction).

H2 Explain hypothesis (prediction) using accurate science.

- Your hypothesis must refer to both your independent variable and you dependent variable.
- Use words like increase/decrease NOT change.

#### **Diagram**

D1 State some equipment.

D2 State all of the equipment needed.

D3 Draw a scientific diagram in pencil, with

#### <u>Variables</u>

V1 Stated your independent variable. V2 Stated your dependent variable. V3 Stated 2 or more controlled variables. V4 Explained how you have controlled these two variables.

#### **Method**

M1 Written a step by step method with most of the steps.

M2 Described in detail all of the steps, including how to record measurements. M3 If I follow your method I will get accurate results. M4 There is no spelling errors, or punctuation missing from your method. M5 Your method explains why you will need to repeat the experiment.

#### Risk Assessment

R1 You have stated two risks and how to prevent them.

R2 You have stated what you will do if someone is hurt with these two risks (remedial actions). <u>E</u>

• 2 risks needed for R1, you can do all this in a table e.g..

RISK	Prevention	Remedial Action

# Table T1 Your results table has your variables as headings. T2 Your results table includes appropriate units for all of your headings.

• Tables must be complete for T1

