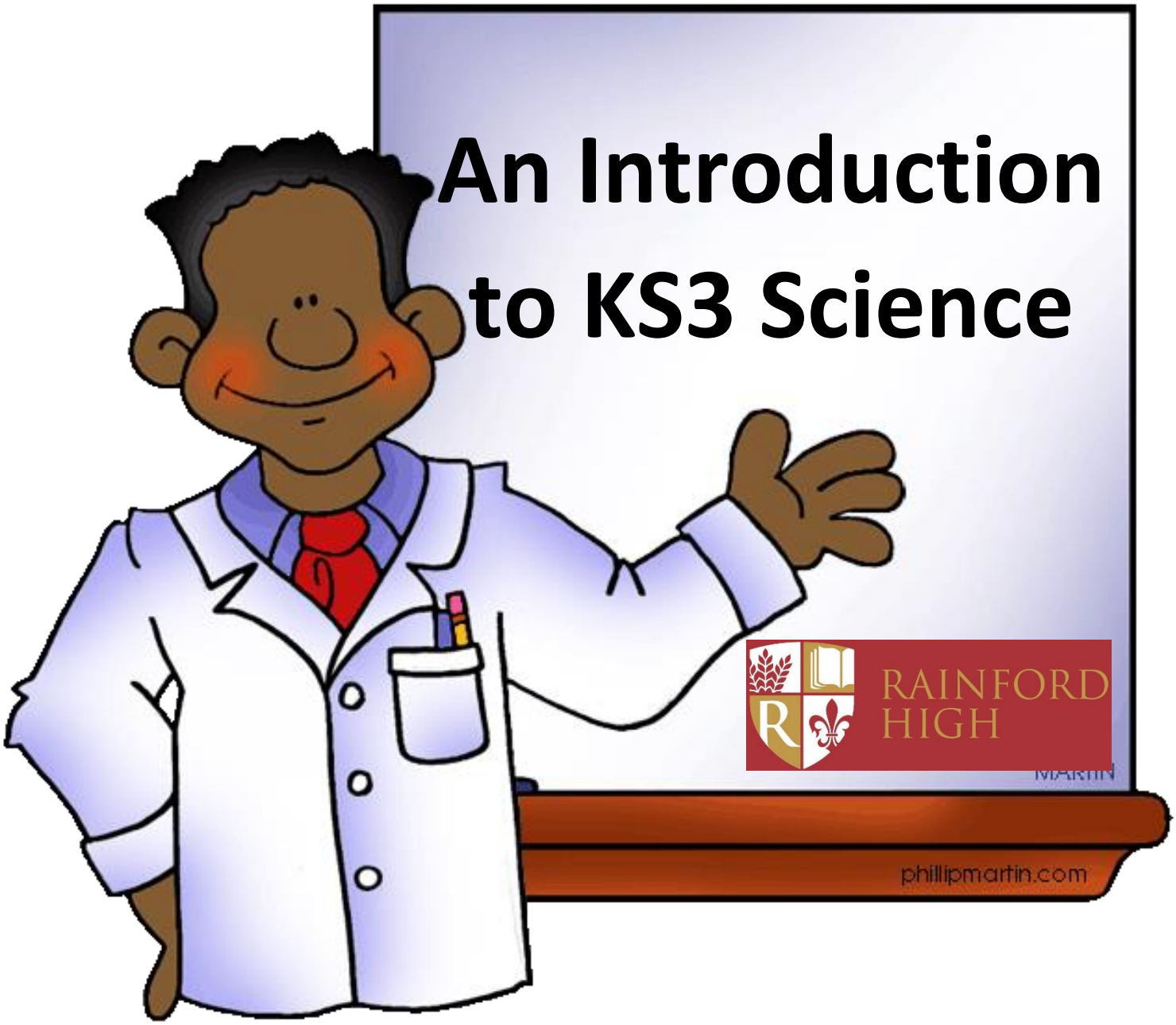
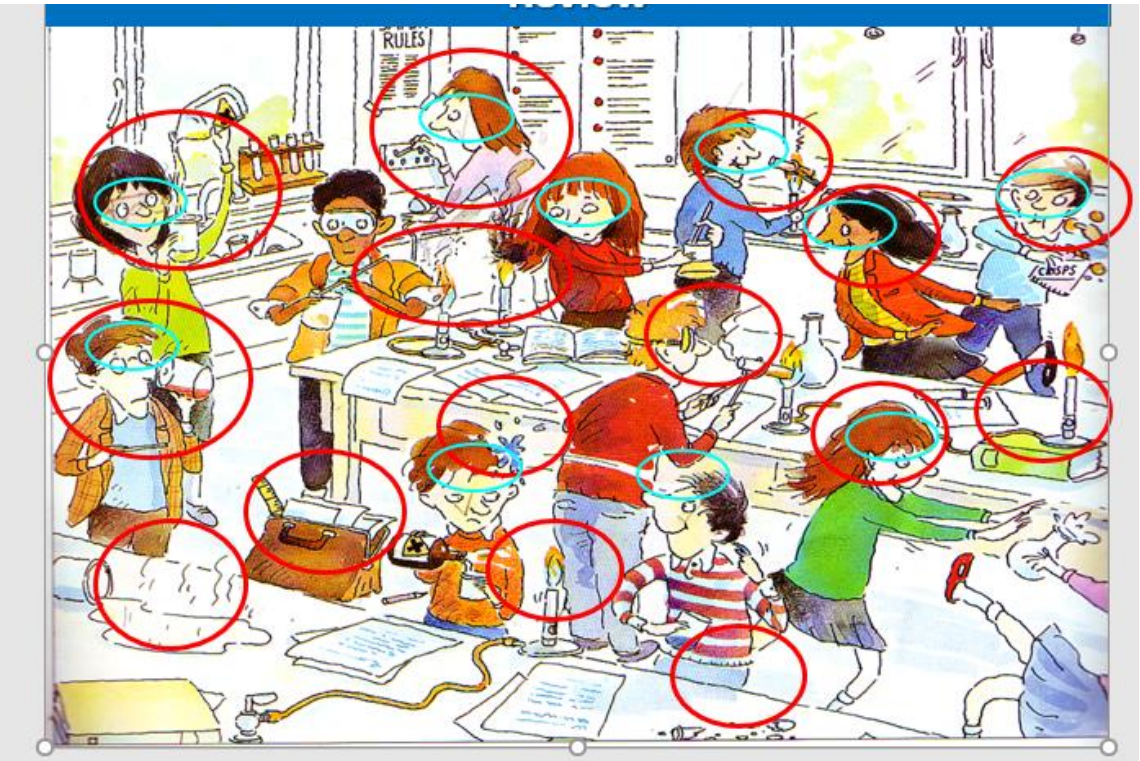
An Introduction to KS3 Science



Mark Scheme

An Introduction to Science Mark Scheme

Safety in the Lab!

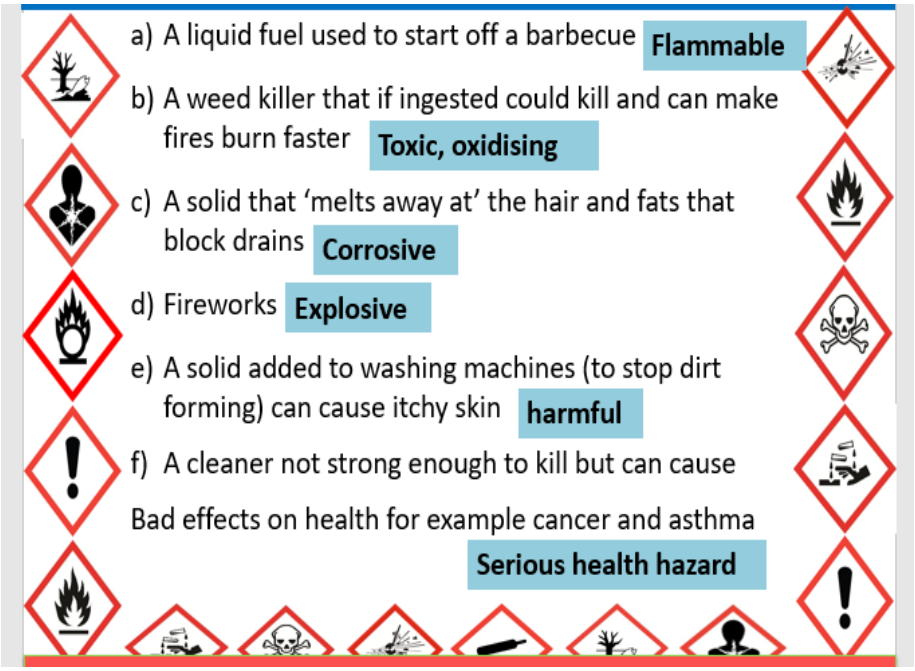


10 Lab safety rues (in any order)

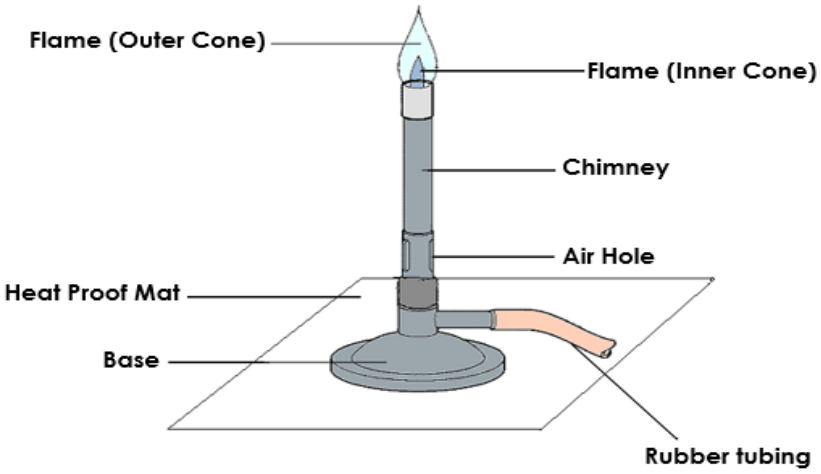
- Walk don't run
- Stand during carrying out a practical
- Tie hair back
- Wear safety goggles
- Don't eat or drink in the Lab
- Put the Bunsen burner on a safety flame when not in use
- Don't carryout experiments on the edge of the bench
- Don't pour chemicals above head height
- Clean up spillages
- Keep your eye on your experiment

  Any other reasonable instructions

Hazard Symbols!

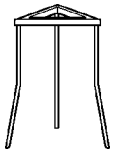
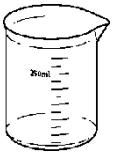
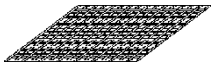
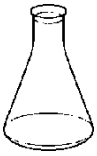
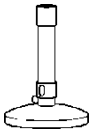
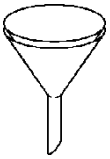


Using a Bunsen Burner!



	Air hole open	**Air hole half-open**	**Air hole closed**
Type of Flame	Roaring Flame	Blue Flame	Safety Flame
When do we need to use this flame?	To heat things fast	To heat things slowly	When we are not using the Bunsen but want to keep it on.

Science Lab Equipment!

Equipment	Name	Equipment	Name
	Test tube		Measuring cylinder
	Boiling tube		Tripod
	Beaker		Gauze
	Conical flask (i.e. cone-shaped)		Bunsen burner
	Crucible		Filter funnel (with paper)

Planning investigations and Variables!

Independent Variable	Length of rope
Dependent Variable	Number of skips
Control Variable	Time of 10 Minutes

Drawing a graph marking criteria

Criteria	Description
Presentation	A sharp pencil and ruler is used to draw.
Axes	The independent variable is along the x axis and the dependent variable is up the y axis.
Axes	The axes are both labelled clearly.
Axes	The units are shown clearly on both axes.
Scales	The graph fills at least 2/3rds of the space available.
Scales	The scales are evenly spread along the axes.
Points / plots	All points are plotted accurately to within +/- 1 mm.
Title	The graph has an appropriate title that is underlined.
Bars	All bars are the same width apart.