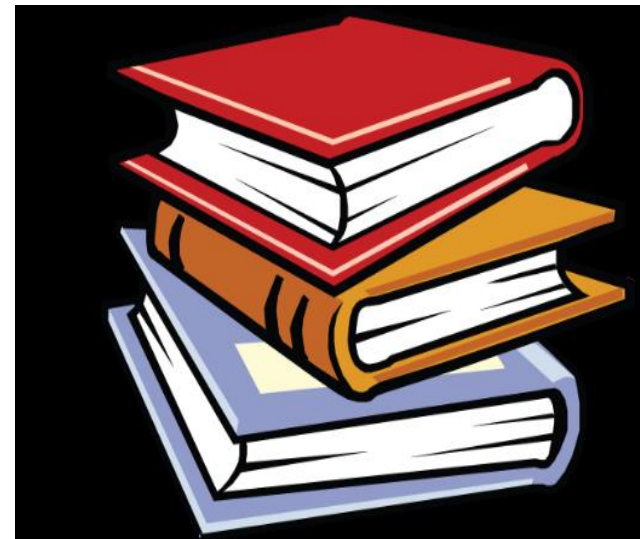


KS3 Science Year 7

We, in the science department, welcome all year 7 parents and pupils in particular, as you embark on this new stage in your quest for knowledge.

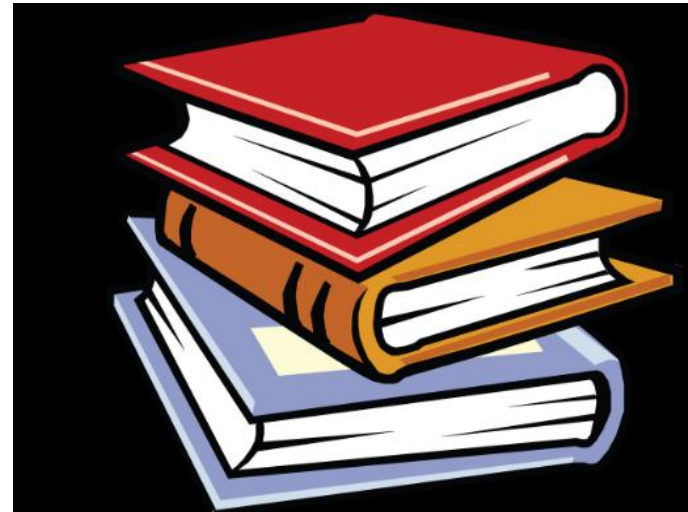
Baseline Test:

Assesses the Knowledge and skills from key stage 2 as well as **health and safety** and **use of equipment** in key stage 3.



KS3 Science Year 7

The results from the baseline test will be used to devise strategies to support each pupil to ensure that they are given the opportunity to make the expected learning gains throughout the course.



Departmental Vision Statement

We are passionate about Science and the success of our pupils in the subject. We consider all pupils as budding scientists and therefore provide them with opportunities to:

*Enquire
Engage
Explore
Experiment
Evaluate*

as they experience the curriculum.

Health and Safety







Pupils will learn how to conduct themselves in the laboratory during experiments as well as how to use the appropriate equipment to carry out various experimental tasks.

A

Symbol cards

B

Fact cards

 <p>C Corrosive</p>	 <p>D Flammable</p>
 <p>E Harmful</p>	 <p>F Irritant</p>
 <p>Toxic</p>	 <p>Corrosive</p>

<p>SODIUM HYDROXIDE</p> <p>Burn power: high Fire power: Death power: Itch power: Vomit power:</p> 	<p>TISSUE PRESERVER</p> <p>Burn power: Fire power: Death power: Itch power: high Vomit power:</p> 
<p>ETHANOL</p> <p>Burn power: Fire power: high Death power: medium Itch power: Vomit power:</p> 	<p>FINGERPRINT SPRAY</p> <p>Burn power: Fire power: Death power: medium Itch power: Vomit power:</p> 
<p>UNIVERSAL INDICATOR</p> <p>Burn power: Fire power: Death power: Itch power: Vomit power: medium</p> 	<p>HYDROCHLORIC ACID</p> <p>Burn power: high Fire power: Death power: Itch power: Vomit power:</p> 

What will pupils learn?



- **Content**

- Health and safety
- Cells
- Particles and their behaviour
- Elements, atoms and compounds
- Forces
- Space
- Structure and function of body system
- Reactions
- Sound
- Reproduction
- Acids and Alkalis
- Light
- Heating and cooling
- *Required practical



Skills (planning and designing, interpreting data, analyses, evaluation)

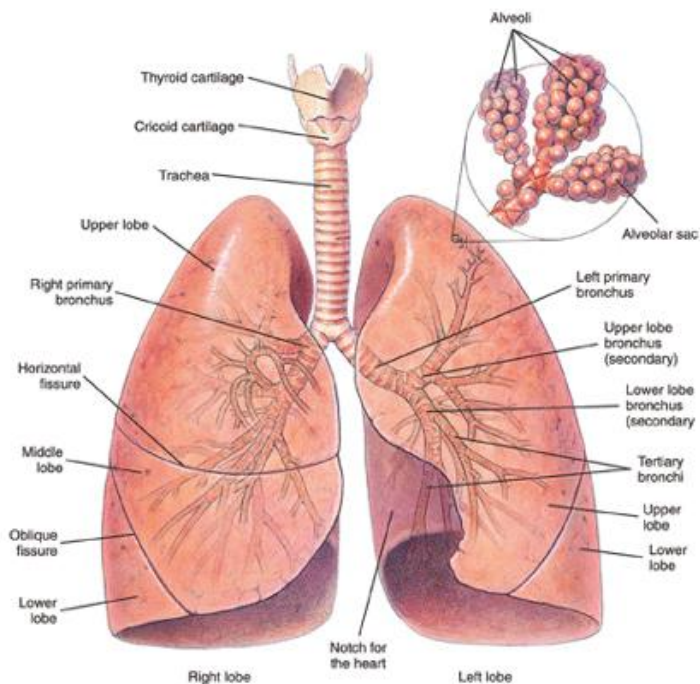
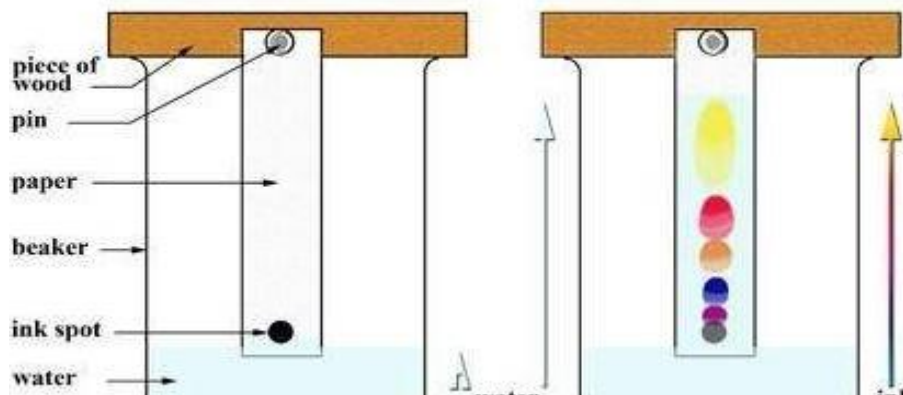
Main aim

- **What are the main aims of the course?**
- Students will be able to:
 - Work scientifically
 - Develop a deeper understanding of a range of scientific ideas in the subject disciplines of biology, chemistry and physics

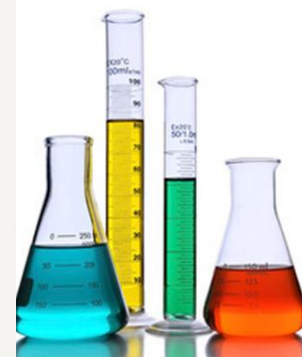
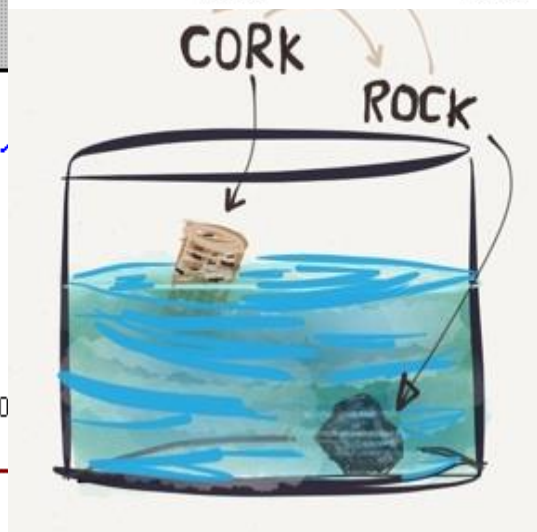
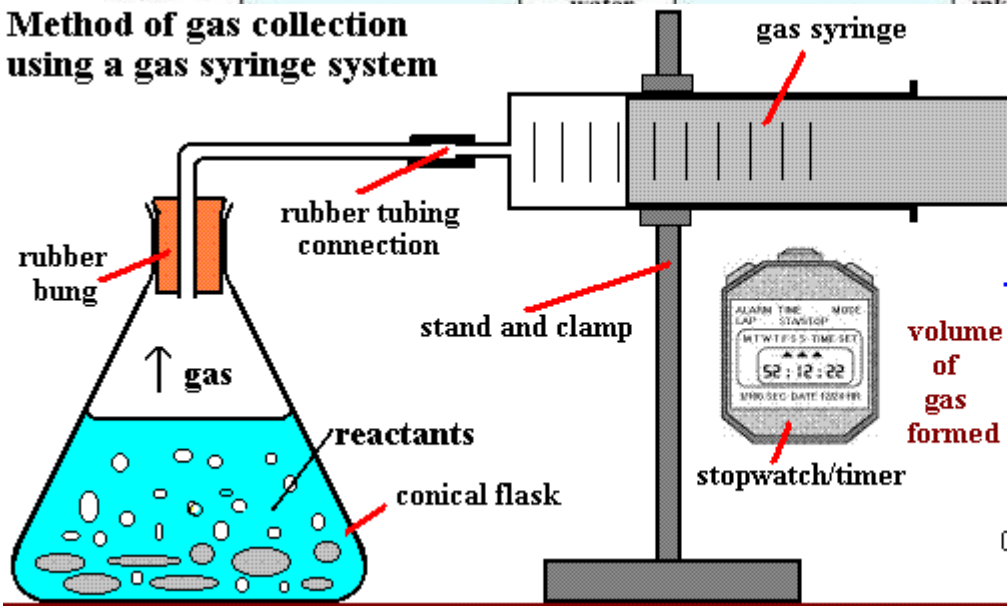


Main aim

Simple chromatography



Method of gas collection using a gas syringe system



Assessment

Assessment will take place at the end of each module/topic.

Formal Examinations will take place three times per year.

Homework is very important and will include the following:

- Research
- Report writing
- Extended writing
- Exam style questions
- Presentation

Support from parents/carers

The staff at Platanos, pupils and parents work as a team. We therefore value parental support in moulding our pupils.

Ways to support your child

- Ensuring that his/her is completed homework to a good standard.
- Encourage him/her to maintain outstanding behaviour for learning.
- Encourage your child to get involved in extension and enrichment activities provided by the school. For example Centre of Excellence, competitions and boosters.