

Introduction to the Lab

Year 6

Lesson 1, wc 3rd September 2012

WELCOME TO SENIOR SCIENCE!!!

Starter: Quick Quiz Football Game

1. A whale is a mammal – true or false?
2. A bat is a mammal – true or false?
3. What units do we use to measure force?
4. How could you make a solid dissolve faster in a liquid?
5. How long does it take for the moon to orbit the Earth?#
6. Which bones protect the heart and lungs?
7. Give a food **component** that provides us with energy.
8. If you push a toy car with your finger, why does it eventually slow down?
9. How would you separate salt from salt water?
10. How would you separate sand from sandy water?

Have a look at the following demonstration

- I will add some **alkali metals** to water...have a look what happens.
- Was this safe?
- Why?

WALT: List 10 ways we can ensure we are safe in the lab

- You each have a piece of paper, pen and blue tack.
- Write down one rule that you think will help ensure we are safe, then go and stick it on the wall.

1. Always listen to the teacher.
2. Never run in the lab – always walk.
3. Only touch things when you have permission.
4. Always concentrate.
5. Wear safety goggles and do not take them off (or put them on your head) until asked to.
6. Long hair must be tied back and ties must be tucked in.
7. Keep your bags outside.
8. Tuck your benches in when you do experiments and remain standing.
9. Never eat or drink in the lab.
10. If you spill a chemical, do not panic. You should tell the teacher and make sure you wash your hands.

Effort and attainment Grades

- Stick your sheet in the front of your books
- Let's read through it together

Plenary

- Shut your books.
- Going around the room, state one rule and then nominate the next person to give a rule.