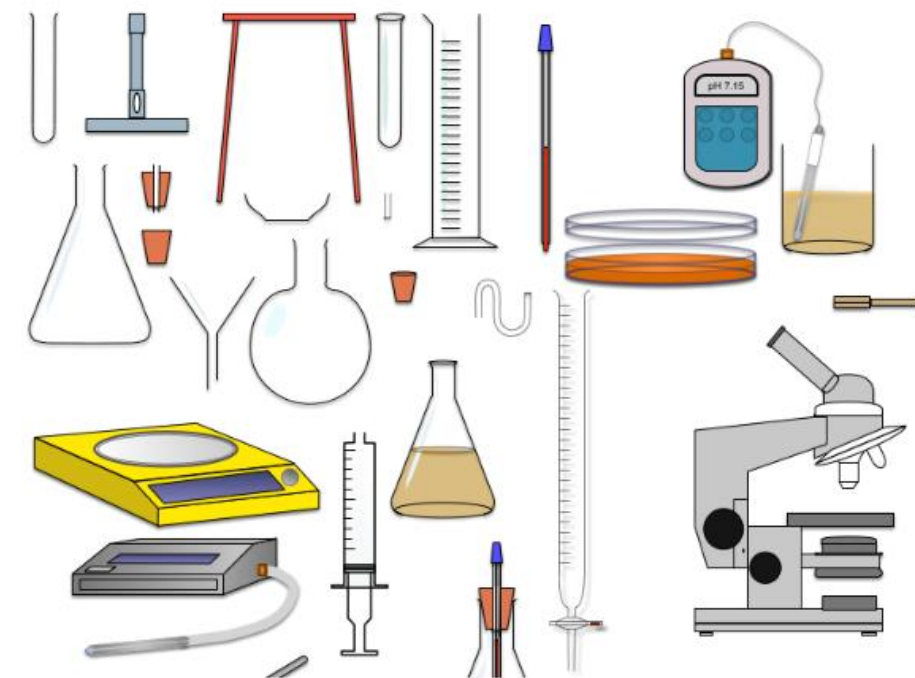


Year 6 – 7 Science Transition Project



Scientific Equipment



Introduction

Hello Year 6!

We are gutted not to be meeting you this side of the summer and not delivering our science transition lesson to you. We hope you are safe, well and working as hard as you can be in these circumstances. We are very much looking forward to meeting you all at Lydiard Park Academy soon!

Our first topic when you join us in Year 7 is skills. During this topic you will learn all of the knowledge required to keep you safe in the Laboratory, get hands on with the scientific equipment and start to plan investigations.

This project is designed to give you a head start by knowing the key equipment you will be using and more importantly, what you will use it for.

You may wish to either print this booklet out and complete it, follow it and complete the activities neatly on lined paper or type it up onto a computer – it is up to you. All we ask is that you **bring this completed with you in September**, as we will be using the work in our first few lessons.








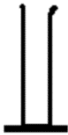

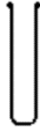




We look forward to meeting you all. If you have any questions, please feel free to contact us:

Mr P Bunney – Head of Science
bunneyp@lydiardparkacademy.org.uk

Task 01: Laboratory Equipment

In science practical's you will be using lots of specialist equipment (apparatus). You will need to be able to recognise and draw this equipment.

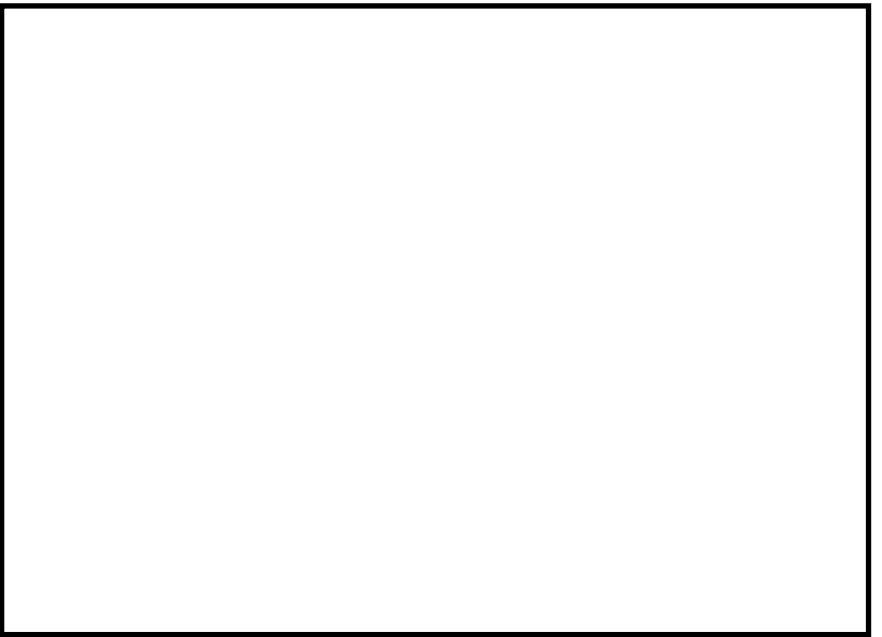
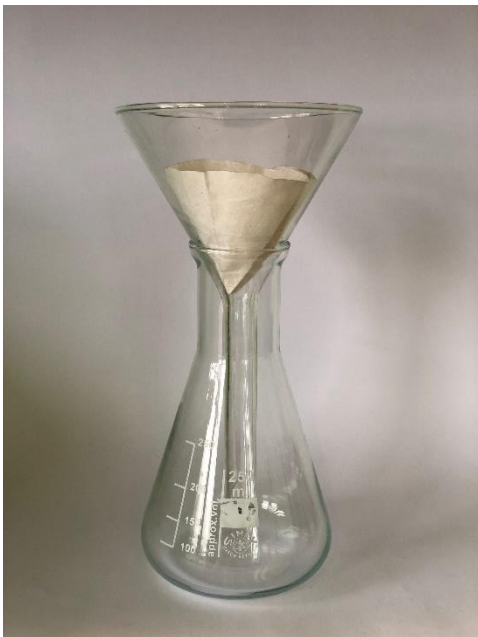
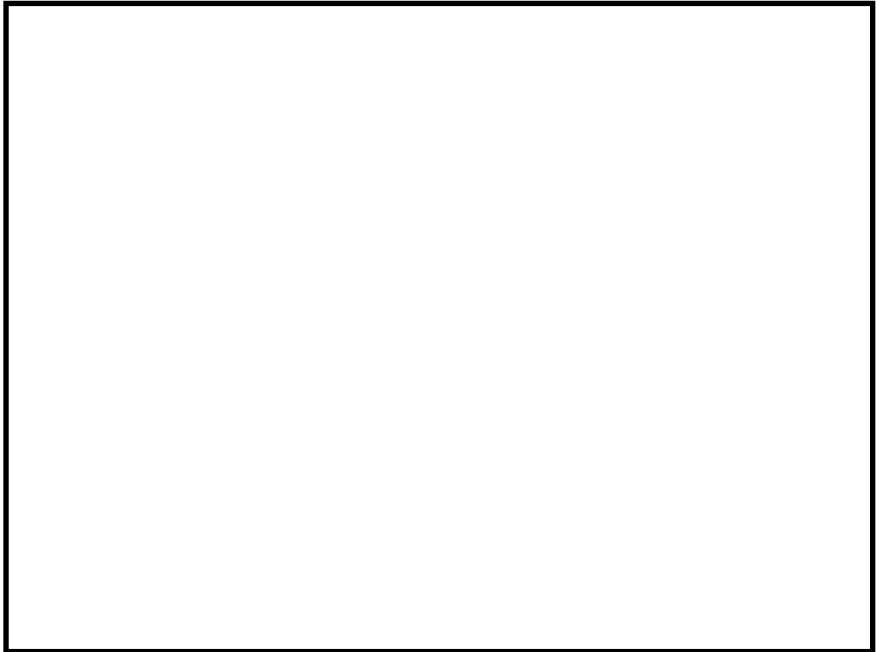
Draw lines to match the photo with the name of equipment and the scientific diagram. Look up and write the use of each piece of equipment. The first one is done for you.

Equipment Photo	Equipment Name	Equipment Diagram	What is it used for?
	Tripod		
	Filter Funnel		A beaker is a glass container with a flat bottom that scientists use to hold liquids.
	Beaker		
	Test Tube		
	Conical Flask		
	Measuring Cylinder		
	Bunsen Burner		

Completed

Task 02:

Have a look at the equipment below. Attempt to draw the scientific diagram using the table you completed in Task 01 to help you.



Completed

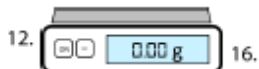
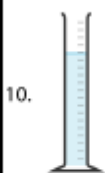
TASK 03:

Below is a list of key pieces of equipment. See if you can find them in the word search and then complete the crossword.

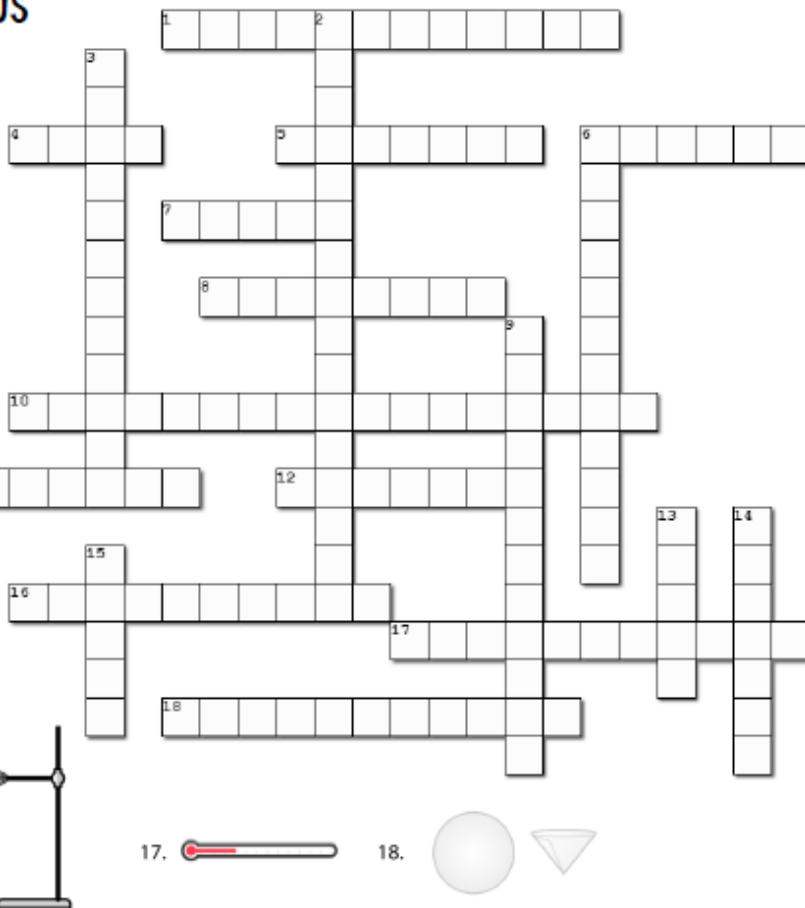
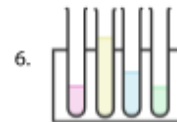
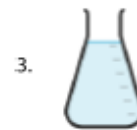
Beaker	F	S	C	K	S	A	L	F	L	A	C	I	N	O	C	X	L	X	N	K	Y	J
Measuring cylinder	R	E	D	N	I	L	Y	C	G	N	I	R	U	S	A	E	M	R	I	X	V	F
Conical flask	T	L	E	P	D	U	Y	Z	O	G	K	T	S	P	V	E	R	N	S	T	Z	S
Gauze	K	G	T	B	R	I	N	R	B	R	G	M	I	W	Z	R	E	X	A	Y	I	S
Safety goggles	A	G	Y	P	U	W	L	R	G	C	E	P	G	P	W	P	U	M	B	N	G	S
Filter funnel	T	O	U	E	J	T	K	D	G	Y	E	Y	M	F	I	O	F	R	G	Y	O	A
Pipette	T	G	L	S	D	R	T	O	N	T	O	A	F	V	T	O	M	E	N	S	Q	L
Clamp stand	E	Y	I	T	L	E	R	S	T	A	L	H	P	L	O	Q	C	G	I	E	Z	G
Clamp	S	T	T	L	R	T	E	E	E	C	E	C	P	R	G	Y	L	R	T	Y	A	H
Thermometer	T	E	C	E	E	E	N	R	K	T	F	L	P	S	S	R	E	A	A	R	H	C
Evaporating basin	T	F	J	A	K	M	R	Z	T	T	O	T	B	B	T	D	N	C	R	U	C	T
Crucible and lid	U	A	R	N	A	O	U	J	T	R	A	L	K	I	L	U	N	O	O	S	L	A
Heatproof mat	B	S	B	D	E	M	B	Z	H	E	G	W	T	O	C	K	U	M	P	I	A	W
Tripod	E	L	P	M	B	R	N	S	H	Q	O	U	H	J	T	U	F	S	A	H	M	K
Test tube	R	F	E	O	A	E	E	V	E	E	H	E	Q	J	R	Z	R	Y	V	U	P	Y
Test tube rack	A	D	Y	R	Z	H	S	R	Z	D	B	C	A	J	I	C	E	C	E	T	S	H
Test tube holder	C	M	C	T	B	T	N	V	Y	U	I	S	D	J	P	J	T	N	A	D	T	D
Pestle and mortar	K	C	P	A	C	A	U	N	T	J	R	Q	O	R	O	O	L	D	K	P	A	F
Watch glass	K	V	C	R	H	O	B	T	R	B	G	V	K	R	D	G	I	R	O	U	N	K
Bunsen burner	Z	O	W	B	M	X	S	J	P	J	Q	W	N	J	G	V	F	Y	D	X	D	Z
	O	L	S	P	L	E	A	J	G	Q	V	D	Z	C	U	G	E	Z	U	A	G	P
	P	N	N	S	T	M	M	N	Y	X	V	O	W	O	P	T	C	T	O	G	Z	G

Scientific apparatus crossword

Across



Down



Completed

CHALLENGE TASK:

You are carrying out an investigation to assess the boiling points of three different solutions. Draw the apparatus you may need. Attempt to draw this set up.



Completed

Well done! You have come to the end of this science project! We look forward to meeting you in soon!