

# Science at BGHS

Hello Year 6>7. We very much look forward to welcoming you in September.

We start our Science lessons by thinking about how to be safe in a Science laboratory. Please keep your work safe, we really would like to see what you have done when we meet. Take care, the Science Team.

In Science we work with some dangerous chemicals and equipment. On chemicals you will see different labels that warn you of the dangers. Have a look at the symbols below and what they mean then have a look around your house and see if you can see any of the symbols on anything! (Have a look at shampoo, soap bottles etc.)

Keep looking back every week or so and check you can remember what the symbols mean!



## ENVIRONMENTAL HAZARD

Indicates substances that are toxic to aquatic organisms, or may cause long lasting environmental effects. They should be disposed of responsibly.



## ACUTELY TOXIC

Indicates life-threatening effects, in some cases even after limited exposure. Any form of ingestion and skin contact should be avoided.



## GAS UNDER PRESSURE

Container contains pressurised gas. This may be cold when released, and explosive when heated. Containers should not be heated.



## CORROSIVE

May cause burns to skin and damage to eyes. May also corrode metals. Avoid skin & eye contact, and do not breathe vapours.



## EXPLOSIVE

May explode as a consequence of fire, heat, shock or friction. Chemicals with this label should be kept away from potential ignition sources.



## FLAMMABLE

Flammable when exposed to heat, fire or sparks, or give off flammable gases when reacting with water. Ignition sources should be avoided.



## MODERATE HAZARD

May irritate the skin, or exhibit minor toxicity. The chemical should be kept away from the skin and the eyes as a precaution.



## OXIDISING

Burns even in the absence of air, and can intensify fires in combustible materials. Should be kept away from ignition sources.



## HEALTH HAZARD

Short or long term exposure could cause serious long term health effects. Skin contact and ingestion of this chemical should be avoided.

When we are carrying out Science experiments, the most important thing is that we are all safe! So when we are in a Science lab we must follow a few rules. Some important rules are:

1. No drinking or eating in the lab
2. No running or messing around
3. Always wear goggles for an experiment
4. Always tie hair up for an experiment
5. Never sit down when doing an experiment
6. Never leave your experiment unattended
7. Bags must be put away and nothing on the floor that could be a trip hazard
8. If anything is spilt or broken tell your teacher and get it cleaned straight away

Now have a look at the picture below and see if you can find all the mistakes that the students are making in the lab!

