



AMATEUR ROCKETRY

There are two types of rocket that the amateur can easily build:

1. Pyrotechnics
2. Aquajets

1. PYROTECHNIC ROCKETS

Everyone has seen or heard a pyrotechnic rocket at least once:



Where/When:

Bastille Day

July 4th

Hogmanay

Guy Fawkes

Better known as **FIREWORKS**

Fireworks were invented by the Chinese 2,000 years ago when they invented gunpowder.

OTHER PYROTECHNIC ROCKETS

Pyrotechnics have achieved the following:

1. They put the first Man in space – Yuri Gagarin – April 12th 1961
2. They took men to the Moon – Neil Armstrong – 21 July 1969
3. They have taken robots to the planets - Since 4 October 1957

HOW CAN I BUILD A PYROTECHNIC ROCKET?

Because building a pyrotechnic rocket involves gunpowder, you need to be supervised by an adult. However you can join your local rocketry group such as A.A.A, STAAR Research, etc and learn to build them safely.

A pyrotechnic or “Rocket Scientist” can eventually look forward to a career working for:



Please Speak to Paul Clark of A.A.A ON 01236-770389 for more details

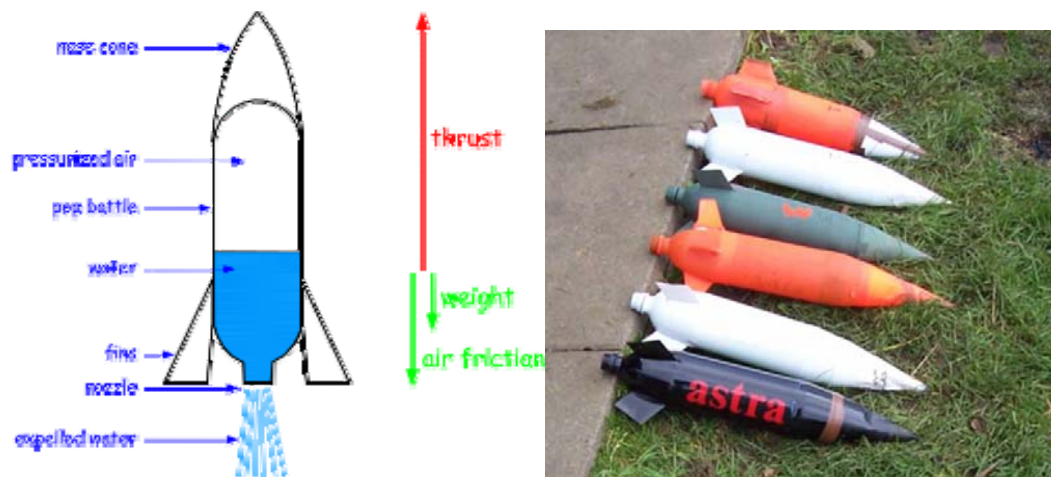


2. AQUAJET ROCKETS

Everyone has all the required materials at home to build an Aquajet. To build an Aquajet all you will need is:

1. Two 2 Litre Lemonade, Cola, Irn Bru, etc Bottles.
2. Two Sheets of Cardboard.
3. Three two pence coins.
4. Sellotape.
5. Scissors.
6. One old tesco carrier bag
7. String

Aquajets, are soft drinks bottles with fins and a nose cone added on, then a third to a half filled with water, stuck onto a launcher, pumped up with air to between 60 - 100 p.s.i., (you will need to borrow mum or dads car footpump) then released. They are launched at (roughly) a 45 degree angle and we then see how far they get from the launcher, measuring their horizontal distance (we don't launch these ones straight up).



A.A.A Fly aquajets in competition every year and for the first time since 1992, the Airdrie team won the Aquajet competition at the International Rocket Weekend in Largs.

Aquajets are perfectly safe for Children to make but supervision by an adult is necessary to avoid harm to others.

If you drink fizzy pop and would like to fly your empty bottles over 200 metres then CALL A.A.A'S Paul Clark on 01236-770389.