

Chemistry A Level
At Stockport
Grammar School

Why Chemistry?

Why Stockport
Grammar School?



DO YOU NEED to do Chemistry A level?

YES if you want to apply to university to do:

- Medicine
- Veterinary medicine
- Dentistry



You will need it if you want to apply for degrees in the life sciences

- Chemical sciences
 - Biochemistry
- Pharmacy
Pharmacology

It is highly regarded for many other degree subjects

- Engineering
- Law
- Accountancy

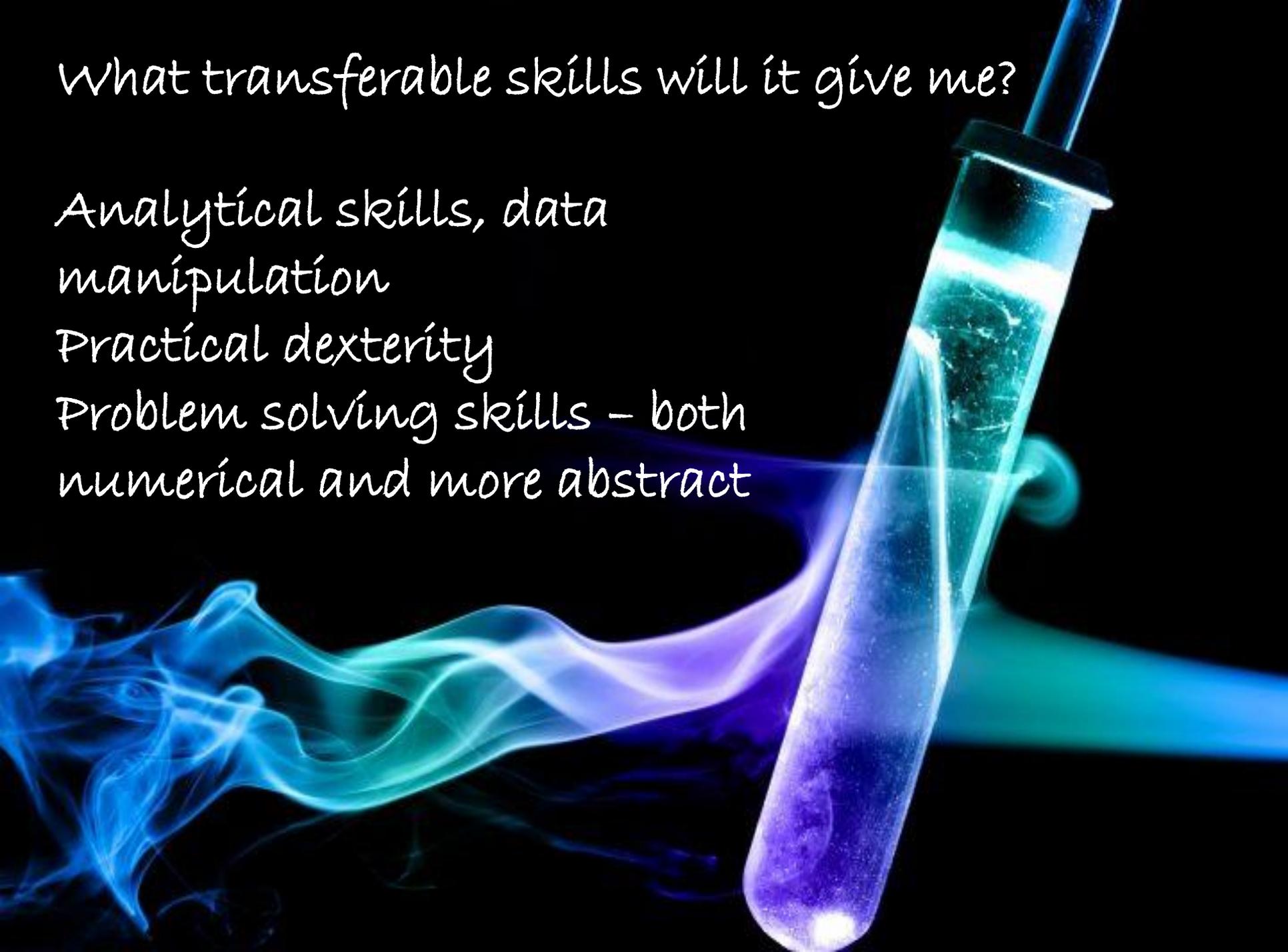
But most importantly you should take it because you enjoy it!

What transferable skills will it give me?

Analytical skills, data
manipulation

Practical dexterity

Problem solving skills – both
numerical and more abstract



What maths qualifications do I need?

$$\hat{H}(q) = \sum_{i=1}^N -\frac{1}{2} \nabla_i^2 - \int \frac{q(R)}{\|r_i - R\|} dR + \sum_{i < j} \frac{1}{r_{ij}}$$

No doubt that competency in maths and use of number is an advantage.

A level maths not required but is useful.

New mathematical skills taught in chemistry lessons

$$q_{X_{min}}(R) = \sum_{j=1} q_j \delta^3(R - R_j)$$

Why Stockport Grammar School?

Expert and experienced
teachers

Small class sizes

Excellent facilities
and support

Fantastic extension
opportunities



For applicants to medicine / vet / dentistry:

- weekly medical society
- UCAS application support
- MMI practice

For Oxford and Cambridge applications:

- Future Chemistry society
- Olympiad competitions
- Experienced interview preparation
- Young analyst competition
- Visits to lectures at universities
- Gold CREST award

Structure of the course

2 year linear course

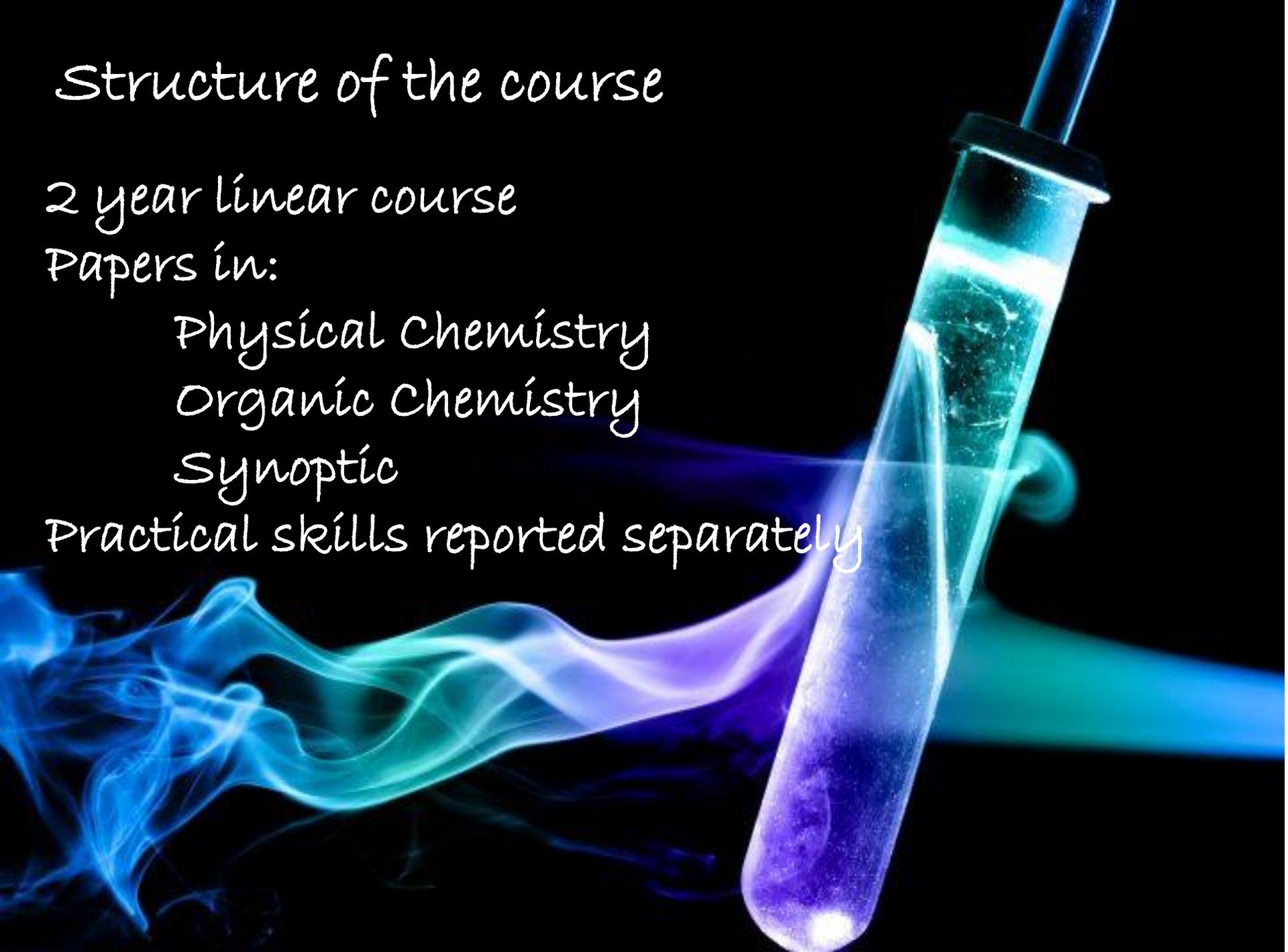
Papers in:

Physical Chemistry

Organic Chemistry

Synoptic

Practical skills reported separately

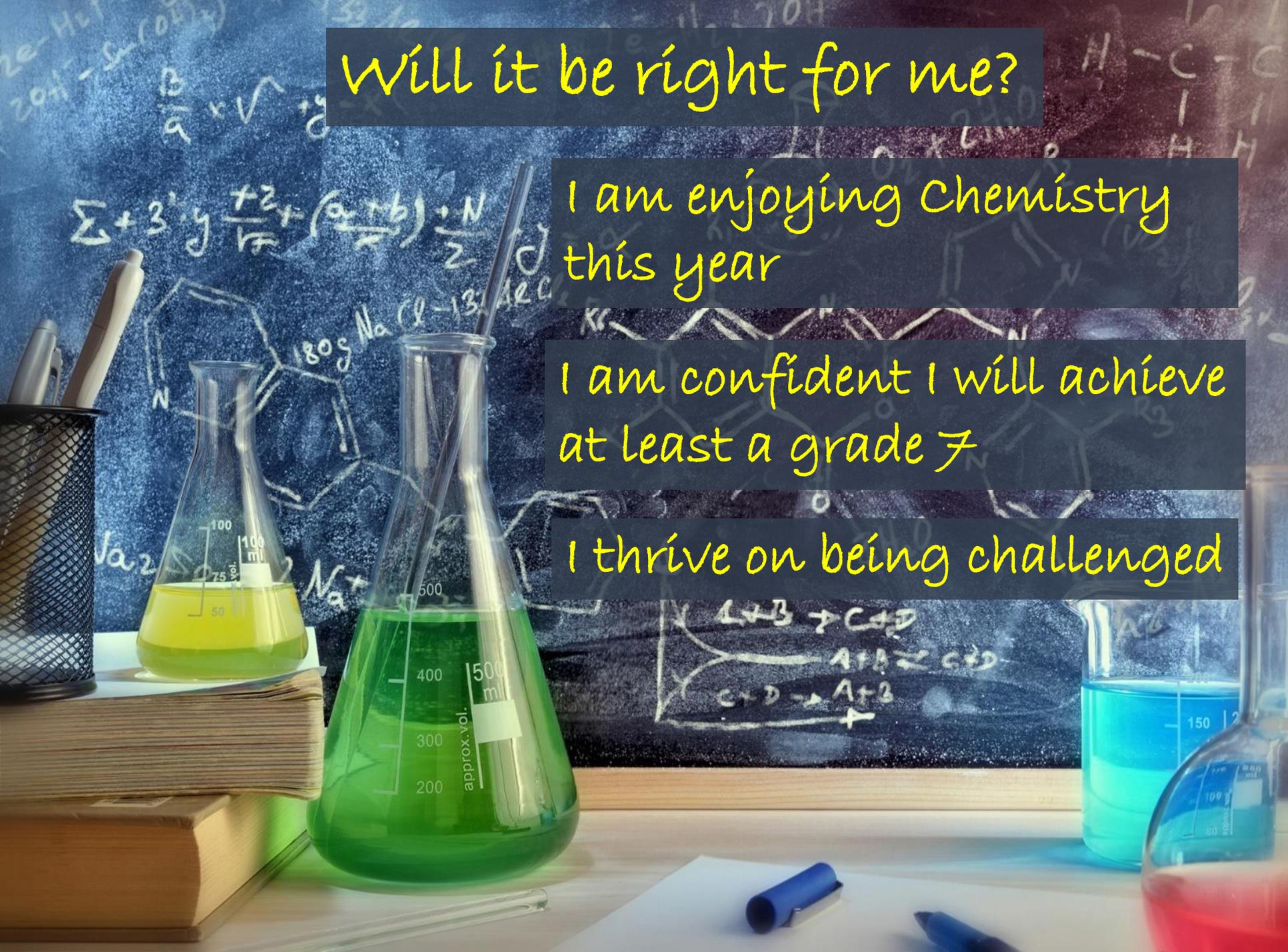


Will it be right for me?

I am enjoying chemistry this year

I am confident I will achieve at least a grade 7

I thrive on being challenged



Recent results

In 2019 41% of pupils achieved A* or A grades

In 2020 53% of pupils achieved A* or A grades

Any further questions?

Speak to Chemistry staff and pupils already studying the subject

Speak to your teacher in the coming weeks

Look at the UCAS and university websites for guidance on admission requirements

