


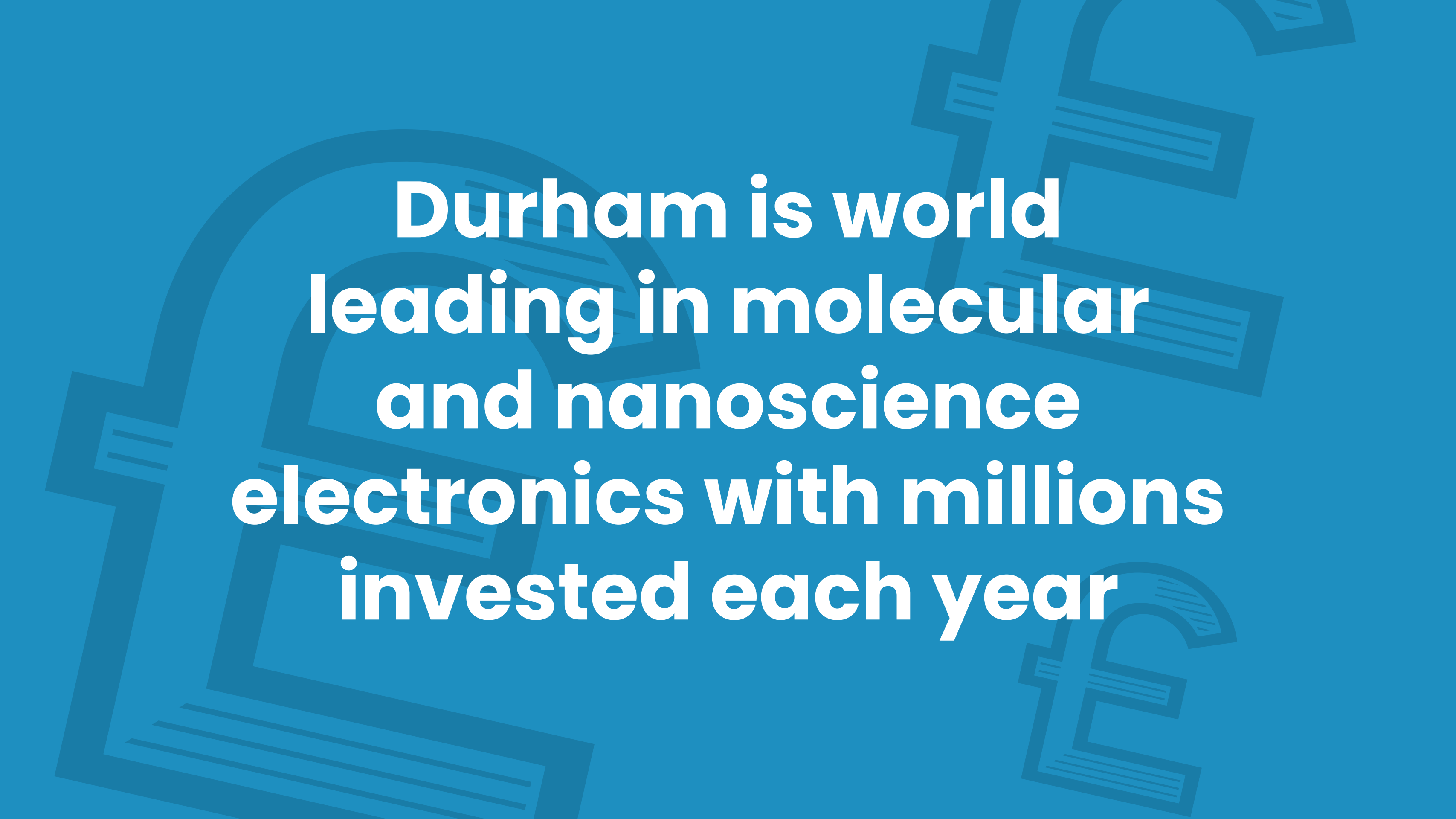
**Did you
know...**

The background is a solid blue color. Overlaid on this background is a faint, stylized graphic of a hand holding a globe. The hand is positioned on the right side, with fingers wrapped around the globe. The globe is depicted with several curved lines representing latitude and longitude. Additionally, there are several thin, curved lines that resemble orbital paths or trajectories, some of which intersect with the globe and the hand. The overall aesthetic is clean and modern, with a focus on scientific or global themes.

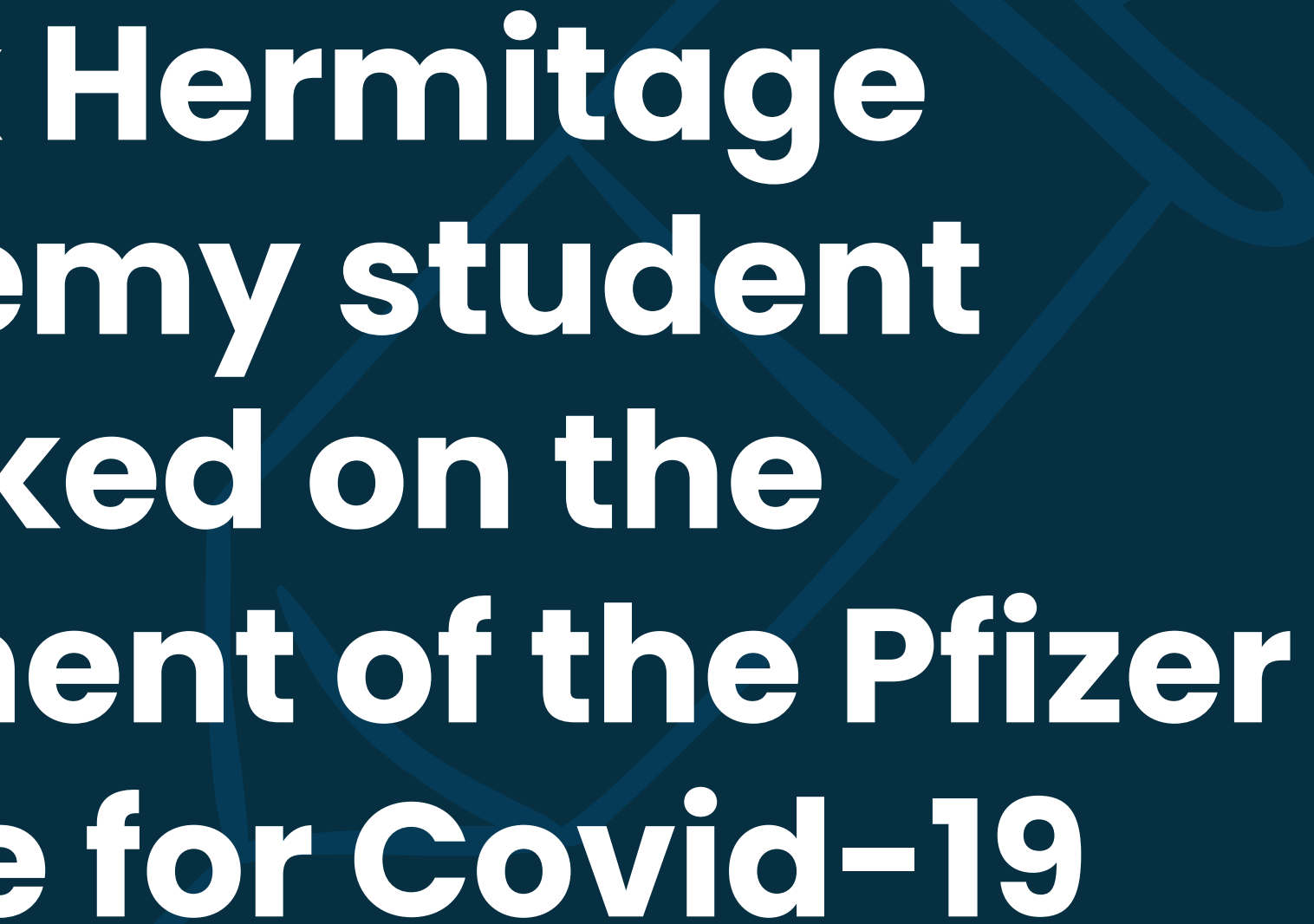
**There are over 7 million
scientists in the world
practising in three main
branches – formal
science, natural science
and social science**




**Science can explain
everything about the
world around us,
including how mobile
phones work**

The background is a solid blue color. Overlaid on this background are two large, stylized, light-blue icons. On the left, there is a graphic of a microscope, showing the eyepiece, objective lenses, and the base. On the right, there is a graphic of an open book, showing its pages and spine. The text is centered in the middle of the image, overlaid on both icons.

**Durham is world
leading in molecular
and nanoscience
electronics with millions
invested each year**



**An ex Hermitage
Academy student
worked on the
development of the Pfizer
vaccine for Covid-19**



**What will
I learn?**

**Students will study a broad
range of topics giving them
an excellent understanding
of the three separate
science disciplines**

Biology

**Cell biology, organisation, infection
and response, bioenergetics,
homeostasis and response,
inheritance, variation and
evolution, ecology and key ideas**



Chemistry

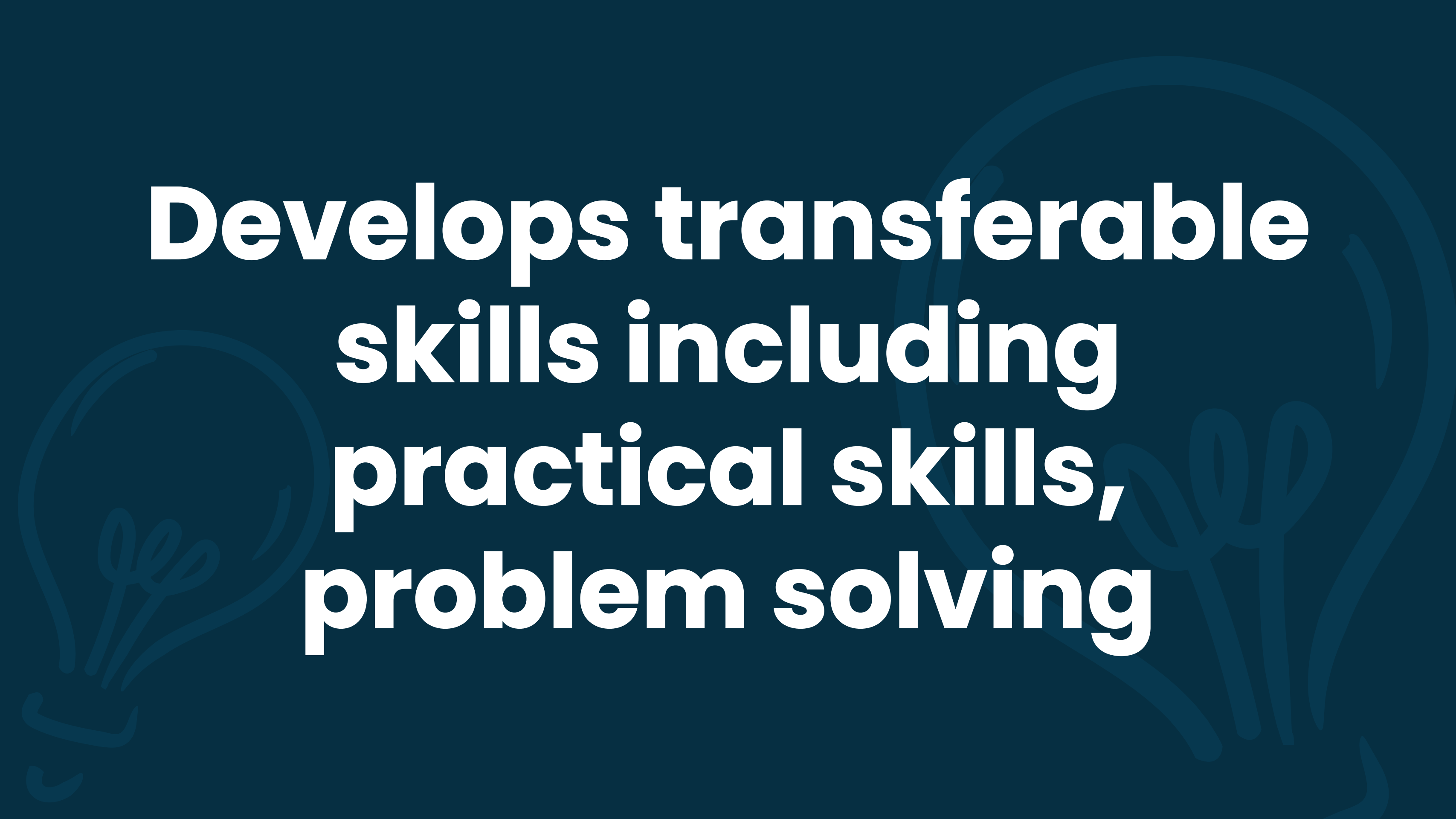
Atomic structure and the periodic table, bonding, structure, and the properties of matter, quantitative chemistry, chemical changes, energy changes, the rate and extent of chemical change, organic chemistry, chemical analysis, chemistry of atmosphere and using resources



**Why is
science
useful?**

A large, stylized graphic in the background consists of a hand with fingers spread, holding a five-pointed star. The hand and star are rendered in a light blue outline style against a solid blue background. The text is centered over this graphic.

**It is required to be
awarded the EBacc
qualification**

The background is a dark blue gradient. On the left, there is a faint, stylized illustration of a lightbulb with a glowing filament. On the right, there is a faint, stylized illustration of a hand holding a pen, as if writing. The text is centered and reads:

**Develops transferable
skills including
practical skills,
problem solving**

**Allows you to be at the
forefront of the
changing world,
seeing the impact
science can have**



**How
will I be
assessed?**



Exam – 100%



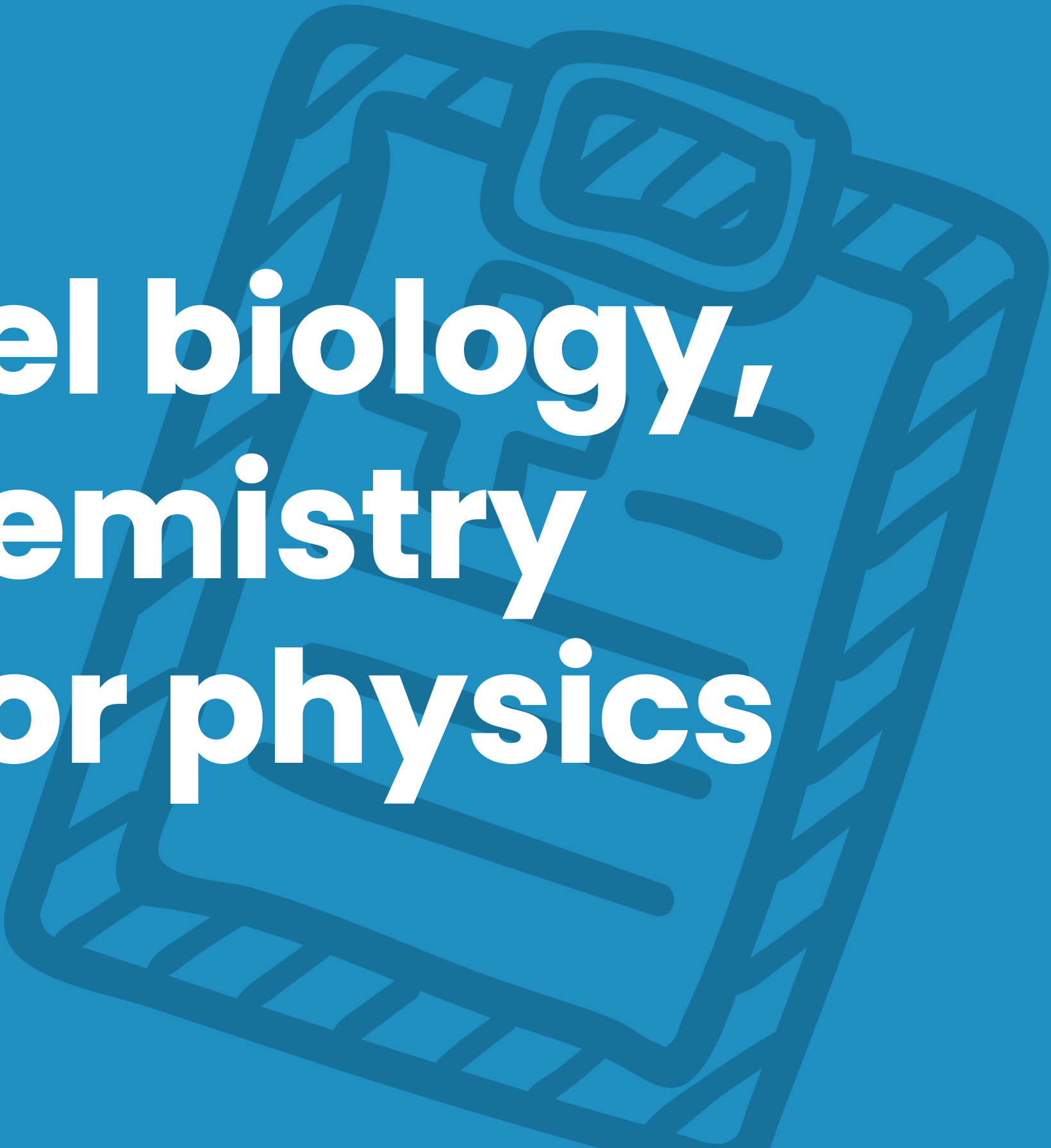
**How is
the course
graded?**

**All work is graded 9 – 1.
Students are entered for
the foundation tier
(Grades 1 – 5) or the higher
tier (Grades 4 – 9)**



**What could
come next?**

**A level biology,
chemistry
and/or physics**



Possible careers

Medicine, veterinary science,
biomedical science, midwifery,
paramedic, engineering, chemist,
forensic scientist, marine biologist,
palaeontologist, research scientist,
sports science and many more!



**What our
students
say...**

**“Studying GCSE Physics
lead me to A level physics
which allows us to better
our understanding of our
world and how it works”**

Owen (Year 13)

**"I love studying GCSE science
because it helps me
strengthen my observation
skills and my understanding
of how the world works
around me." Millie (Year 10)**

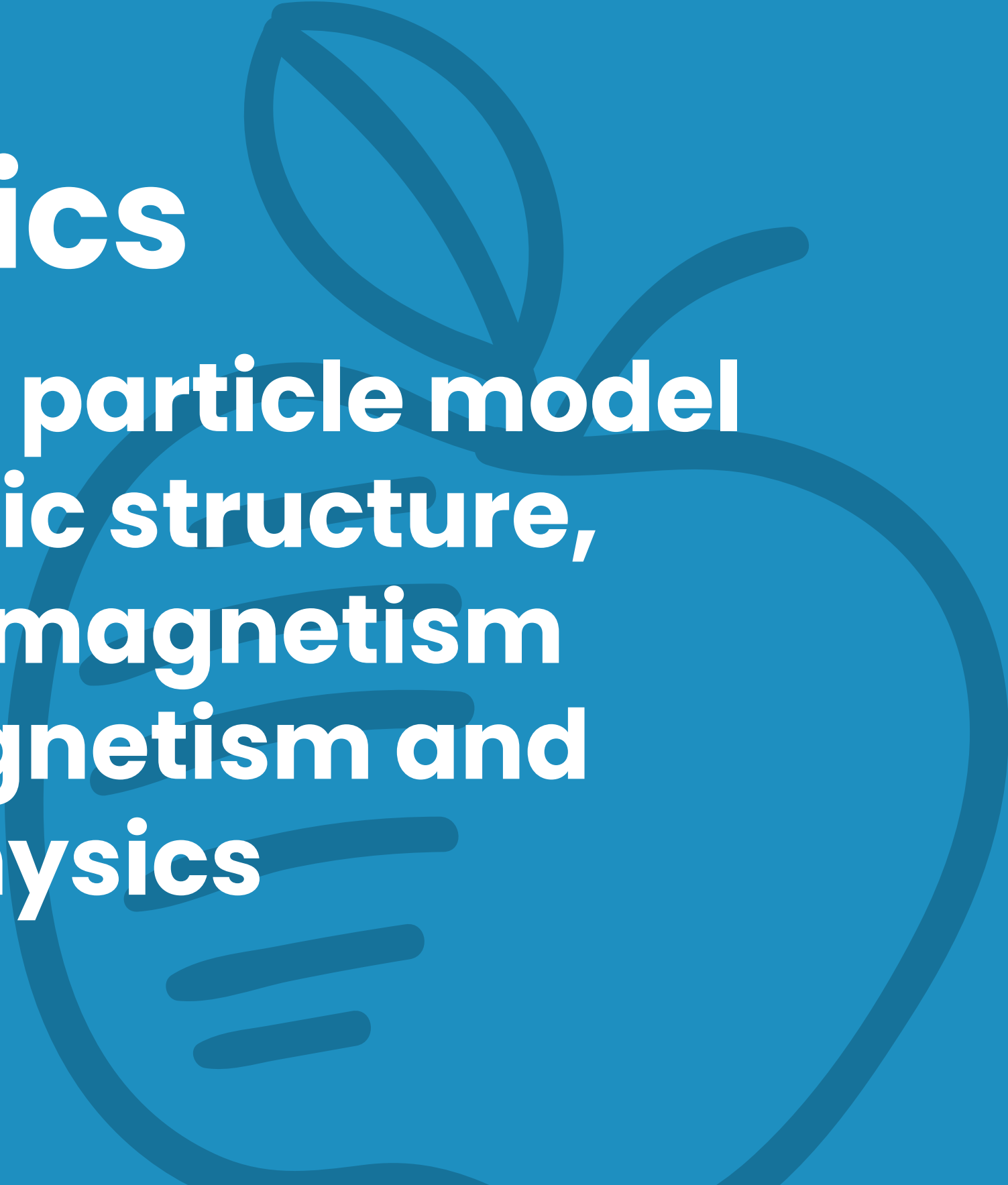
**“It is fun to explore the
properties of chemicals and
observe how they interact
and react!” Ted (Year 11)**

**“Science is helping me
prepare for my dream
university course and job,
and it is interesting!”**

Lili (Year 11)

Physics

**Energy, electricity, particle model
of matter, atomic structure,
forces, waves, magnetism
and electromagnetism and
space physics**

A large, stylized outline of an apple is positioned on the right side of the slide. It features a single leaf at the top and a short stem. The apple's body is a simple circle with a few horizontal lines near the bottom to suggest texture or a shadow.