

What is everything made of?

High Energy Physics

How does it all interact?

Imagine trying to learn the rules of chess, using only photos of parts of the board.

Scientists are trying to do just this with the laws of nature. The pictures they need come from colliding particles at high energy...



...the higher the energy, the bigger the picture!

What have we learnt?

Besides furthering our fundamental knowledge of physics, spin-offs from the field include medical and airport scanners, and the Internet.



How do we progress?

The Large Hadron Collider is the field's latest experiment. It cost over £6bn, is 27km around, and has 15,000 people working on it!

Who pays for the experiments?
Where do we build them?
Who decides on the design?
What do we set out to look for?

