

## Why Study the Sciences?

Biology	Chemistry	Physics
FOR THE LOVE OF SCIENCE - TO UNDERSTAND THE WORLD		
<p><b>What Skills will I get from Studying Biology?</b></p> <p>As with the other sciences, Biology helps you to build up research, problem solving, organisation and analytical skills.</p> <p>If you study Biology, you will likely find yourself working on group projects, which will help you build your teamwork and communication skills too.</p> <p><b>What Careers can I do with Biology?</b></p> <p>Biology is a key subject for lots of careers, particularly in healthcare, medicine and jobs involving plants or animals. The list is pretty long and includes: nursing, dentistry, forensic science, psychology, physiotherapy, botany, environmental science, zoology, geology, oceanography, pharmaceuticals, energy, teaching, science writing, genetics and research.</p> <p>Rachel Lambert-Forsyth, director of education and training at the Society of Biology, says: <i>“Biology opens up exciting career possibilities. From conservation to cancer research, biologists are tackling important 21st century challenges, and we need skilled young people to be part of this.</i></p> <p><i>“It is also important to remember that Biology is excellent preparation for <u>non-scientific careers</u>, thanks to the skills it provides - everything from analytical thinking to writing reports.”</i></p>	<p><b>What Skills will I get from Studying Chemistry?</b></p> <p>All that questioning and experimentation can be really handy when it comes to building a whole range of skills for work.</p> <p>Chemistry helps you to develop research, problem solving and analytical skills. It helps to you challenge ideas and show how you worked things out through logic and step-by-step reasoning. Chemistry often requires teamwork and communication skills too, which is great for project management.</p> <p><b>What Careers is Chemistry Good for?</b></p> <p>Chemistry is an important subject for careers in: <u>medicine</u>, environmental science, <u>engineering</u>, toxicology, developing consumer products, metallurgy (studying how metals behave), space exploration, developing perfumes and cosmetics, pharmaceuticals, energy, teaching, science writing, <u>software development</u> and research.</p>	<p><b>What skills will I get from studying Physics?</b></p> <p>Physics will help you to build up your problem solving, research, and analytical skills. With these skills you’ll be able to test out new ideas plus question and investigate other people’s theories, which is useful for any kind of job that involves research or debate.</p> <p><b>What Careers Can I do with Physics?</b></p> <p>You’ll find physicists everywhere, in industry, transport, government, universities, the armed forces, the secret service, games companies, research labs and more.</p> <p>Physics is especially helpful for jobs that involve building things and developing new technologies, including: engineering (flight, buildings, space, you name it...), astronomy, robotics, renewable energies, computer science, communications, space exploration, science writing, sports and games technology, research and nanotechnology (that’s engineering on a seriously tiny molecular scale).</p> <p>A spokesperson for the Institute of Physics says: <i>“Physicists are involved in finding solutions to many of our most pressing challenges - as well as studying atoms or making sense of the extra-terrestrial, physicists diagnose disease, model the climate, design computer games, predict markets and design hi-tech goods. <u>Studying physics opens doors.</u>”</i></p>