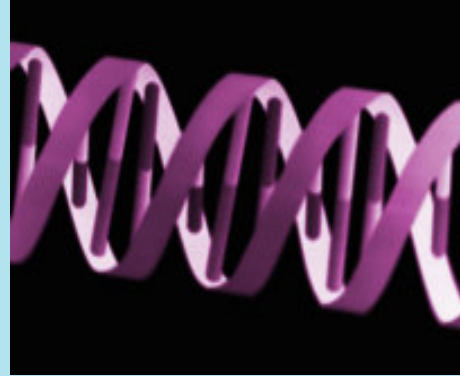


RSE @ Schools

Watching Genes or Why Do We Do Science?

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Watching Genes

The instructions an organism uses to build itself are found on a molecule called DNA. Each little instruction, which fits into a grand plan, is a small portion of DNA called a gene. If the plan is not correctly realised, which can occur if a gene functions improperly, this can result in disease. Our understanding of how genes operate and fit in with other gene behavior would continue to increase if we were able to watch them in action. Therefore we have devised a new method which allows us to see inside a cell and watch the activities of its individual genes. This promises to tell us how genes are handled by the cell and mishandled in disease.

Why Do We Do Science?

The practice of science is the mark of a civilised society. But why? What are the reasons that society has allowed science? How did this practice arise? What have been the obvious benefits whilst mitigating the problems? How is science managed? What are the future directions of science? What should be the future directions of science? Does science detract from society? Why do science?



Suitability: Standard Grade, Higher

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Photos courtesy of Dr Chubb