**British Values – A Whole School Approach. Science Department.**

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| **Subject** | **Democracy** | **Rule of law** | **Individual liberty** | **Mutual respect** | **Tolerance of those of different faiths of beliefs.** |
| **KS3** | * Space programme
* Deciding our energy needs
* Burning fuels
* Fertility treatment
* Contraception
* Global use of resources
* Farming
 | * Use of satellites and communication
* Fertility treatment
* Contraception
* Gene banks
 | * Reproduction
* Fertility treatment
* Contraception
* Sharing information using radio signals
* Development of new technologies
 | * Working with other countries SETI
* Correction visual problems
* Global warming
* Climate change
* Carbon cycle
* Recycling
* Bioaccumulation
 | * Alien life and SETI
* Different models of the solar system
* Reproduction
* Fertility treatment
* Contraception
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| **KS4** | * Ethics of using Stem cells
* Recycling
* Energy resources
* Nuclear radiation
* Using petrochemicals
* Carbon footprint
 | * Ethics of using Stem cells
* Reproduction
* Fertility treatment
 | * Ethics of using Stem cells
* Reproduction
* Fertility treatment
 | * Ethics of using Stem cells
* Cancer
* Genetic variation
* Inherited disorders
* Genetic engineering
* Waste management
* Global warming
* pollutants
* Carbon footprint
* Greenhouse gases
* Water
* Recycling
* Energy resources
* Nuclear radiation
 | * Ethics of using Stem cells
* Reproduction
* Contraception
* Fertility treatment
* Evidence for evolution
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| **KS5** | * Genetic engineering
* STEM cell research
* Use of nuclear radiation
* Alcohol production – decisions on biofuel use.
 | * Genetic engineering
* STEM cell research
* Use of nuclear radiation
* Use of chemicals and the ozone
* Ozone depletion - CFCs
 | * Genetic variation
* Inherited disorders
* Genetic engineering
* STEM cell research
* Alcohol production – decisions on biofuel use.
* Anticancer drugs – benefits and adverse effects.
 | * Genetic variation
* Inherited disorders
* Genetic engineering
* STEM cell research
* Ozone depletion – CFCs
* Alcohol production – decisions on biofuel use.
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 | * Genetic engineering
* STEM cell research
* Anticancer drugs – benefits and adverse effects.
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