**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 |
| **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 |
| **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. * Anticancer drugs – benefits and adverse effects. | * Genetic engineering * STEM cell research * Anticancer drugs – benefits and adverse effects. |