**TERM: Summer 2017**

**SUBJECT: Science**

**YEAR GROUP: 8**

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| **TERM TOPIC: Respiration, Photosynthesis, Evolution and Inheritance** | |
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| KPI 1 | **Respiration** - Explain the processes of aerobic and anaerobic respiration, and their uses |
| *Aerobic respiration* |
| *Anaerobic respiration* |
| *Industrial applications* |
| *XXX* |
|  |  |
| KPI 2 | **Photosynthesis** - Explain the process of photosynthesis, and its importance in the natural world |
| *Adaptations* |
| *Products* |
| *XXX* |
| *XXX* |
|  |  |
| KPI 3 | **Evolution** - Evaluate and recount the evidence for theories, and the theories themselves, about how a particular species evolved. |
| *Natural Selection* |
| *Biodiversity* |
| *Extinction* |
| *XXX* |

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| KPI | **Inheritance** - Model the inheritance of a specific trait and explore the variation in the offspring produced. |
| *DNA and chromosomes* |
| *Allele crosses* |
| *Inherited diseases* |
| *XXX* |
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