Wellington Primary

# Science Curriculum

| Year 5 | | | |
|---|---|---|---|
|  Human reproduction and ageing |  Forces and Mechanisms |  Earth and Space |  Properties and changes of Materials |
| Intro lesson – Life Cycle Vocabulary<br><br>Animal life cycles | Intro Lesson – Contact and non-contact forces<br><br>Gravity | Intro Lesson – Solar System<br><br>How do we know that the Sun is at the centre of the Solar System? | Intro lesson – Properties of Materials<br><br>Testing properties |
| Classifying mammals | Mass and weight | The Earth, Sun and Moon model | Thermal conductivity |
| Typical mammalian life cycles | Friction | Planets and stars are spherical | Testing thermal insulators |
| Relationship between mammalian gestation and mass | Air resistance | Daytime and night time | Testing thermal insulators |
| Human life cycle | Water resistance | Sundials | Solubility |
| Human gestation stage | Levers, Pulleys and Gears | Day length and seasons<br>Times of day around the world | Exploring mixtures – sieving |
| Human juvenile stage | Let's investigate focus: Observing, measuring and recording<br>Step 1 and 2 | The phases of the Moon | Exploring mixtures – filtering |
| Human adolescent stage | Let's investigate focus: Observing, measuring and recording<br>Step 3 ,4,5 | Lunar and Solar eclipses | Exploring mixtures - Evaporating |

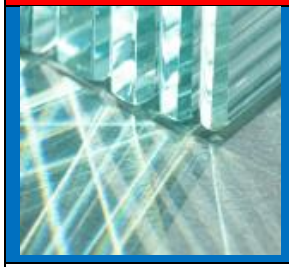
Wellington Primary

# Science Curriculum

| | | | |
|---|---|---|---|
| Human growth charts – Breadth and depth | | Let's investigate focus: Research<br>Steps 1-6 | Reversible and irreversible changes |
| Human sexual reproduction | | | Let's investigate focus: Planning and carrying out |
| Adult ageing | | | |

Wellington Primary

# Science Curriculum

| Year 6 | | | |
|---|---|---|---|
|  Light Theory |  Evolution and inheritance |  Electric circuits and components |  Circulatory system |
| Intro lesson<br><br>How does light travel? | Intro lesson – Five Kingdoms<br><br>Classifying fossils | Intro lesson - Naming circuit components<br><br>Recognised circuit symbols | Intro Lesson- Bodily Systems<br><br>Role of the circulatory system |
| : How do we see? | Theory of evolution | Recording circuits | Structure and function of the heart |
| Visible light | Inheritance | Exploring circuit components | The function of blood |
| Colour perception | Natural selection and survival of the fittest | Voltage and cells | The structure and function of blood vessels |
| Shadows | Exploring plant adaptations | Researching batteries and cells – Breadth and depth | Measuring heart rate |
| Reflections | Artificial Selection | Investigating voltage | Proving a hypothesis |
| Measuring light | Let's investigate focus:<br>Observing, measuring and recording<br>Step 1,2,3 | Programming tasks | Heart rate investigation |
| Refraction | Let's investigate focus:<br>Observing, measuring and recording<br>Step 4 5 | Sensors and monitoring | Classifying foods |

Wellington Primary

# Science Curriculum

| | | | |
|---|---|---|---|
| Let's investigate focus:<br>Planning and carrying out step 1,2,3<br>Let's investigate focus:<br>Planning and carrying out step 4,5 | | | The effects of smoking, alcohol and drugs |
| | | | Let's investigate focus:<br>Reporting and concluding 1,2,3 |
| | | | Let's investigate focus:<br>Reporting and concluding 4,5,6 |