Year 9 Topics for Revision

# Forces

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| **1** | **Balanced and unbalanced forces** |
| **2** | **Pressure** |
| **3** | **Pressure Calculations** |
| **4** | **Pressure in Gases** |
| **5** | **Pressure in Liquids** |
| **6** | **Hydraulics** |
| **7** | **Moments** |
| **8** | **Calculating Moments** |
| **9** | **Centre of Mass and stability** |
| **10** | **Stability Investigation and write up.** |
| **11** | **Speed** |
| **12** | **Distance Time Graphs** |
| **13** | **Velocity Time Graphs** |
| **14** | **Acceleration** |

# Light

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| **1** | **Introduction to Light** |
| **2** | **Reflection** |
| **3** | **Concave & Convex mirrors** |
| **4** | **Refraction 1** |
| **5** | **Refraction 2** |
| **6** | **Total Internal Reflection** |
| **7** | **Lenses** |
| **8** | **Telescopes 1** |
| **9** | **Telescopes 2** |
| **10** | **White Light and the spectrum** |
| **11** | **What colour is that object** |
| **12** | **Using Colours** |
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# Gravity and Space

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| **1** | **Our Solar system** |
| **2** | **Planet facts** |
| **3** | **The Universe** |
| **4** | **Life on Different planets** |
| **5** | **Orbits** |
| **9** | **Satellites** |
| **10** | **Mass and weight** |
| **11** | **Mass and weight on different planets** |
| **12** | **Rockets. Newton’s laws. Action and reaction, F=ma** |
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**Energy Resources**

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| **1** | **Fossil fuels – advantages and disadvantages** |
| **2** | **Pollution due to fossil fuels** |
| **3** | **Be able to define renewable and non-renewable resources** |
| **4** | **Renewable resources - advantages and disadvantages of each** |
| **5** | **Operation of a power station** |
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