Additional Science – Physics PU2.2 Stretching an Elastic Band

**Physics Glossary.**

1. **Elastic** – a material that is able to return its shape after it has been stretched
2. **Elastic limit** – the point at which an elastic material will no longer return to its original length after being stretched
3. **Newtons (N) –** the unit of force
4. **Extension –** the increases in the distance when an elastic object is stretched
5. **Hooke’s Law -** The extension of an elastic object is directly proportional to the force applied to it until the elastic limit
6. **Directly Proportional –** As one increases, the other increases by the same percentage

1. **Metres (m)** – the unit of distance
2. **Elastic Potential Energy** – energy stored in an object because it is stretched, compressed or deformed, and when released the object returns to its original shape.