Developing
You are able to…….
• State that recycling reduces the need to extract resources
• State that most metals are found combined with other elements in ores
• State that natural selection is a theory that explains how species evolve and why extinction occurs
• State that chromosomes are long pieces of DNA which contain many genes
• State that the thermal energy of an object depends upon its mass, temperature and what it is made of
• State that thermal energy is transferred by particles in conduction and convection, and by radiation

Secure
You are able to…….
• Explain why recycling of some materials is particularly important
• Describe how Earth’s resources are turned into useful materials or recycled
• Explain how a lack of biodiversity can affect an ecosystem
• Use a diagram to show how genes are inherited
• Describe how an object’s temperature changes over time when heated or cooled
• Explain how a method of thermal insulation works in terms of conduction, convection and radiation

Extending
You are able to…….
• Suggest ways in which changes in behaviour and the use of alternative materials may limit the consumption of natural resource
• Predict and explain the changes in a population over time due to natural selection
• Find out why scientists Watson, Crick and Franklin were so important
• Sketch a graph to show the pattern of temperature changes against time

Not yet- Can attempt the above and sometimes be successful
Expected- Can do the above successfully.
Beyond- Can do all of the above confidently and successfully with the desired outcomes.