

DHSG Lower Years Assessment Framework

Science



LOWER YEARS (Years 7 to 8)

	Developing (D)	Secure (S)	Mastering (M)
Knowledge	With support can demonstrate knowledge of: organisms from the cellular level, their physiology and interaction with the physicochemical environment; properties, behaviour and reactions of matter and materials; the behaviour of waves, energy, electricity, matter and force.	Often demonstrates accurate knowledge of: organisms from the cellular level, their physiology and interaction with the physicochemical environment; properties, behaviour and reactions of matter and materials; the behaviour of waves, energy, electricity, matter and force.	Consistently and independently demonstrates precise knowledge of organisms from the cellular level, their physiology and interaction with the physical & chemical environment; properties, behaviour and reactions of matter and materials; the behaviour of waves, energy, electricity, matter and force
Understanding	With support applies knowledge to a given context to interpret, analyse evaluate biological, chemical and physical principles, phenomena and issues.	Often applies relevant knowledge in different contexts to interpret, analyse evaluate biological, chemical and physical principles, phenomena and issues.	Consistently and independently applies relevant knowledge in different contexts to interpret, analyse evaluate biological, chemical and physical principles, phenomena and issues.
Skills	With support executes appropriate skills – experiment planning and hypothesising, safely manipulating apparatus, collecting, analysing and interpreting data, graph construction and interpretation, application of mathematics, drawing conclusions and precise use of vocabulary.	Often executes a range of appropriate skills – experiment planning and hypothesising, safely manipulating apparatus, collecting, analysing and interpreting data, graph construction and interpretation, application of mathematics, drawing conclusions and precise use of vocabulary.	Consistently and independently executes a wide range of skills – experiment planning and hypothesising, safely manipulating apparatus, collecting & interpreting data, graph construction and interpretation, application of mathematics, drawing conclusions and precise use of vocabulary.

MIDDLE YEARS (Years 9 to 11)



GCSE READY