



Assessment grid			
Subject: Science		Year: 8	Topic/module: Motion and Pressure
KS4 target direction	4	6	8(9)
Advanced	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension Features of work may include:
Secure <i>Students must achieve competence in all statements before being judged 'Secure'</i>	Secure The student can: <ul style="list-style-type: none">• Define relative motion• Use a distance–time graph to describe a journey qualitatively• State two things that affect gas pressure• Describe characteristics of some objects that float and some that sink• Use ideas of pressure to describe familiar situations qualitatively• State the law of moments	Secure The student can: <ul style="list-style-type: none">• Calculate speed using the speed equation• Calculate speed from a distance–time graph.• Describe how atmospheric pressure changes with height• Describe how liquid pressure changes with depth• Explain why some things float and some things sink, using force diagrams• Calculate pressure• Calculate the moment of a force.	Secure The student can: <ul style="list-style-type: none">• Explain what is meant by relative motion and how it can be calculated• Draw distance–time graphs for a range of journeys• Explain gas pressure in different situations• Explain why liquid pressure changes with depth• Explain why an object will float or sink in terms of force or density.• Calculate pressure in multistep problems• Apply the concept of moments to everyday situations
Developing	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:
Beginning	Significant gaps	Significant gaps	Significant gaps