Assessment grid			
Subject: **Science**	Year: **7**	Topic/module: **Sound**	
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 *Students must achieve competence in **all** statements before being judged 'Secure'*	**Secure** The student can: • State some features of waves • State what happens when a wave hits a barrier • Name materials that sound can travel through • State the link between loudness and amplitude • Name some parts of the ear • State some uses of ultrasound	**Secure** The student can: • Describe the different types of waves and their features. • Describe what happens when waves superpose. • Describe how sound is produced and travels • Describe the link between loudness and amplitude • Describe the link between pitch and frequency • Describe how the ear works • Describe how your hearing can be damaged • Describe some uses what ultrasound is	**Secure** The student can: • Explain how reflection of a wave occurs • Explain one effect of superposition of waves • Explain what is meant by supersonic travel • Explain why sound cannot travel through a vacuum. • Compare and contrast waves of different loudness using a diagram • Compare and contrast waves of different frequency using a diagram • Compare and contrast the ear and the microphone • Explain how ultrasound can be analysed
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