

KNOWLEDGE ORGANISER :: SOUNDS

KEY TERMS

Digital	Having discrete values which can be stored as binary	
Analogue	Having continuously changing values	
Sample	The smallest element of a recorded sound. A value or set of values which represent a sound at a specific moment	
Sample Size	The number of seconds over which a <i>sample</i> was taken	s
Sample Rate	The number of times per second the sound is sampled <i>sample size ÷ sample interval</i>	Hz
Bit Rate	The number of bits used to store a second of sampled sound <i>bit depth × sample rate</i>	bps
Sample Interval	The length of time between two samples	si
Bit Depth / Sample Resolution	The number of bits used to store each sample	b
Channel	An audio file which is intended to be played at the same time as another	
File Size	<i>Sample rate × bit depth × sample size</i>	

