REVERBERATION Sub-project Title:		***Coding Arduino Theramins***		
Description/overview	**Organiser(s)**	**Other participants (names, year group, class etc)**	**Outcome(s)? Does it need to interact/react with other groups, elements, participants or sites?**	**Additional support, materials, equipment or funding required?**
Students are provided with basic kit including Arduino computer and a range of components including photo-sensors, buzzers, motors etc. Students programme/code the devices to allow diverse inputs and outputs. For example, light sensors 'played' using torches. Differing distances and intensities result in diverse outputs. This could be anything from tones on a simple buzzer to a motor with brushes physically playing an amplified electric guitar.	Dr Tim Goddard	Students in all year groups	Resulting audio recorded and played through Y9 sculpture installation Live performance, transmitted through Y12 sculptures Shared with other collaborators online and played in original form or remixed, reflected and modified .	Arduino computers Components (motors, sensors, piezo buzzers etc)