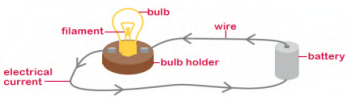




We are Electric: Autumn 2

Key texts		Opportunities/ Experiences		Vocabulary	
Picture Perfect Serena Patel		Bricks 4 Kids		Electrical system: this is a group of parts (components) that work together Target Audience: the group of people that a product or service will be most suitable for. Design Criteria: The goals that a product must achieve to be successful.	
D.T	Music	Science			
Products use electrical systems to function. To understand and identify some of the common features of an electric product. To know that an electrical circuit must be complete for electricity to flow. To know that a switch can be used to complete and break an electrical circuit. Designers choose different materials to decide whether they are conducting or insulating	Improvising means inventing music ‘on the spot’ using your voice, body or an instrument. Musicians make up the music as they sing or play. A composer is somebody who writes music. Anybody can be a composer. You can compose music in different ways: - Change the structure of somebody else’s music - Combine ideas from several different pieces of music - Compose your own piece of music completely The arrangement of dot notation shows how the pitch changes.	Common appliances run on electricity. A simple series electrical circuit has basic parts including cells, wires, bulbs, switches, and buzzers.  A circuit must contain a complete loop with a battery and this affects whether a lamp lights or not. A switch opens and closes a circuit and this affects whether a lamp lights or not in a simple series circuit. Name common conductors and insulators.  Metals with are good conductors.			Rhythm and tempo: Downbeats, fast (allegro), slow (adagio), pulse, beat, getting faster, getting slower Dynamics: Loud (forte), quiet (piano), getting louder (crescendo), getting softer (decrescendo) Texture: Unison, layered, solo duet, melody and accompaniment Electricity- a flow of electric current through a material. Main’s electricity- electricity supplied through wires to a building. Electrical conductor- a material that allows electricity to flow through it. Electrical insulator- materials that do not allow electricity to flow through it. Appliances- Equipment or device designed to perform a particular job e.g. washing machine. Battery- a device that stores electrical energy.