Year B Autumn	Lostwithiel Primary School				
Topic/Theme		<u>Year Six</u>			
	DT Knowledge Organiser	Conkers Class			
Prior Learning:					
Children will have knowledge of structures from pre	vious study and understanding of electricity and circuits (Year 4 a	nd Year 6 - Autumn term)			
Key DT knowledge and skills:					
 Structures are built for a purpose - to support frame structures give shape and are useful frequirements and materials being used Triangulation can help to make structures st one point on the triangle, the pressure is shown and the structures of the pressure is shown and the structures are structures are built on the triangle and electrical system. Products can be driven by electricity Investigate and disassemble products in order 	ort something or hold something up. for support and weight bearing. They have joints which gronger which is important to consider when creating sto ared amongst the two points which provide a secure bas truction kits or making a model from a set of instructio ms in their products er to learn how they work and how they are made ections, use motors to transfer movement to an axle an n and drawing	able joints. When force is applied to e ins			
• Design and make as part of a team	5				
• Select appropriate tools, materials, compone	ents and techniques				
• Plan the main stages of making					
 Construct products using permanent joining Evaluate their work according to their design 	•				
· Lvandare men work according to mell design	n criteria ana to suggest miprovement				
Imp switch Imp battery Imp battery					

Key DT Vocabulary -			General Terms and Cross Curricular Vocabulary	
Axes	Lines on which something rotates, or a straight line around which things are evenly arranged. A straight central part in a structure to which other parts are connected.		Construct	To build or make something.
Chassis	The base frame of a car, carriage, or other wheeled vehicle.		Generate	To produce or create.
Structure	cture The arrangement of and relations between the parts or elements of something complex.		ncorporate	Take in or contain (something) as part of a whole; include.
Joint	A point at which parts of an artificial structure are joined.		isassemble	Take something apart / into pieces.
Mechanism	A system of parts working together in a machine; a piece of machinery.		riangulation	Formation of or division into triangles.
DT Outcome			Cross Curricular Links	
-	ke a moving vehicle, incorporating an electrical circuit for a specific arry an egg safely across a specific distance across uneven ground. Linked documents: Class Overview, DT Whole School Progression	Maths - use		to strengthen structures / 2D shapes