## Year 2 - Mechanisms - Moving Monster - Term 3

Design & Technology				
Filling St. Aldan's CT Springer Sector	Key Vocabulary		To know	
Design criteria	A set of rules to help designers focus their ideas and test the success of them.	Moving monster	statements	
Evaluation	When you look at the good and bad points about something, then think about how you could improve it.		I know how to use the	
Input	The energy that is used to start something working.	Pivot	correct terms for levers,	
Linkage	Lengths of material (for example, metal or card) that are joined together by pivots, so that the links can move as part of a mechanism.		linkages and pivots by analysing popular toys with	
Mechanical	Something that can move because several pieces work together like a machine.		the correct terminology	<b> </b>
Mechanism	A collection of parts that work together to create a movement, eg: a bicycle.		I know how to design monsters suitable for	
Output	Output is the motion that happens as a result of starting the input.	Linkages	children, which satisfy most of the design criteria.	
Pivot	The central point, pin, or shaft on which a mechanism turns or swings.		I know the suitable linkage	
Survey	To ask a group of people questions about something and to use their answers to make improvements.	What materials could you use to represent fur, scales and claws?	system to produce the desired motions.	
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## The four types of motion:

light shine

Beacon Curriculum



Linear motion Movement in a straight line in any one direction.

What is a stable structure?

How did your fairground wheel spin?

What can you remember from previous units?

What is more important - how it looks or if it works?

Reciprocating motion Movement in a straight line, back and forth, in any direction.

Rotary motion Movement in a circular motion.

Oscillating motion Movement in a curve, back and forth.

Anything else you have learnt? What have you enjoyed?

To know statements	××	
I know how to use the correct terms for levers, linkages and pivots by analysing popular toys with the correct terminology		N/
I know how to design monsters suitable for children, which satisfy most of the design criteria.		
I know the suitable linkage system to produce the desired motions.		000
I know how to evaluate two designs against the design criteria, and deciding selecting a favourite based on this and the feedback of their peers		
I know how to create functional linkages that produce the desired input and output motions		
I know how to select and assemble a planned monster features, assembling the monster to the linkages without affecting the function of them and evaluate the final product against the design criteria		