Leintwardine Endowed CE Primary School Learning Journey Itinerary					
'Letting Our Light Shine'					
SUBJECT : DT	YEAR : B	TERM : Spring	2 Y	EAR GROUPS : 3/4	
Key Question: Can I make my own toy?					
Previous Knowledge – How to evaluate a product. How to take inspiration from other products.					
Know that some products move by mechanisms.					
END OF UNIT OBJECTIVES					
Some children will not yet	Most children v	Most children will show that they		Some children will have gone beyond	
have met what is expected a		•		the expected level and will show that	
will show that they are	because they can:		they are exceeding because they can:		
emerging because they can:					
 with support, recognise the movement a mechanism within a toy or model. following a guide, understand that a cam mechanism will change rotary motion into linear motion. start to investigate examples of cam t and comment on how they work. describe how cams work using some b vocab. explore how different shaped cams aff the movement of the follower. with help, make suggestions for how different cams could be used for differe kinds of toys. start to think about how I could mak sturdy structure for a moving toy. start to experiment with a variety of materials, tools and techniques. with support, find ways of strengthen a structure. state the purpose and audience of the design. design a moving toy with a cam mechanism. using simple description, describe how will create my toy and what materials and tools I will need. follow a design to create a moving toy. with guidance, work safely with a variety of materials and tools. identify a few areas of my toy that co be improved upon. evaluate a finished product. suggest ways I could improve my product if I were to make it again. recognise ways in which I have been successful. 	 within a toy or mode understand that a change rotary motion investigate example comment on how the describe how cams vocabulary. explore how different movement of the foll make suggestions for could be used for diff make suggestions for could be used for diff make suggestions for design a moving to describe how I will materials and tools I identify areas of my improved upon. valuate a finished successful. 	 f • recognise the movement of a mechanism within a toy or model. • understand that a cam mechanism will change rotary motion into linear motion. • investigate examples of cam toys and comment on how they work. • describe how cams work using appropriate vocabulary. • explore how different shaped cams affect the movement of the follower. • make suggestions for how different cams could be used for different kinds of toys. • make suggestions for how I could make a sturdy structure for a moving toy. • experiment with a variety of materials, tools and techniques. • identify ways of strengthening a structure. • state the purpose and audience of their design. • design a moving toy with a cam mechanism. • design a moving toy with a cam mechanism. • design to create a moving toy. • work safely with a variety of materials and tools. • identify areas of my toy that could be improved upon. • evaluate a finished product fairly. • suggest ways I could improve my product if I were to make it again. 		 recognise the movement of a mechanism within a toy or model and name the types of movements correctly. understand that a cam mechanism will change rotary motion into linear motion. investigate examples of cam toys and comment on how they work. name and describe how cams work using appropriate vocabulary. explore how different shaped cams affect the movement of the follower and describe where they will be suitable in toys. make suggestions for how different cams could be used for different kinds of toys. make suggestions for how I could make a sturdy structure for a moving toy. explement with a variety of materials, tools and techniques. identify ways of strengthening a structure and explain how they work. state the purpose and audience of their design. independently design a moving toy with a cam mechanism. in detail, describe how I will create my toy and what materials and tools I will need. follow a design to create a moving toy. work safely with a variety of materials and tools. identify areas of my toy that could be improved upon. evaluate a finished product fairly. suggest ways I could improve my product if I were to make it again. recognise ways in which I have been successful. 	
ASSESSMENT OPPORTUNITIES – Class discussions, work produced in lessons, final end of unit product.					
	SUBJECT SPECIFIC VOCABULARY			CROSS-CURRICULAR	
	movement, mechanism, model, cam, materials, techniques, strengthen, structure, improved, purpose,			LINKS Links that we can make	
	audience, follower, linear motion, motion, evaluate			to help children make	
Creating their own				sense of what we want	
moving toys.				them to know and be	
Take inspiration from				able to do.	
other moving toys.					