



STEM

CLUB

- Working towards British Science Assoc's **CREST SUPERSTAR AWARD** (8 sessions min.)
- **SCIENTIST SAM** lent out weekly for child/group showing best scientific approach & effort

Investigation Name & Desc	Topic								Notes	
	Science			Technology	Engineering	Art/Cultural	Maths	Outdoor		Nature
	Physics	Chemistry	Biology							
Terrific Teeth – Making Toothpaste Alter balance of ingred's in mixture & test them		✓	✓	✓						MESSY PRACTICAL Applied Chemistry
Racing Rockets Design & fly a breath-propelled rocket	✓				✓		✓			INDOOR CLEAN Applied Physics
Adaptation by 'Arkive' Design predator/prey pairs adapted to a habitat			✓			✓			✓	THINKING Pure Biology
Tumbling Toast Always lands buttered side down? Why?	✓						✓			INDOOR CLEAN Pure Physics
Brilliant Birds Who can build the best nest? Test with rain+wind			✓		✓			✓	✓	OUTDOOR - DRY DAY Applied Biology
Windy Ways Understand & measure wind & weather ('OPAL')	✓			✓			✓	✓	✓	OUTDOOR – DRY DAY, GENTLE BREEZE Applied Physics
Fantastic Fingerprints Are they all different? Applications/privacy?			✓	✓						INDOOR CLEAN Applied Biology
Over To You (Sticky Ideas) Invent new products that use strong/weak glues		✓		✓		✓				THINKING Applied Chemistry
A Sticky Problem Alter balance of ingred's in our glues & test them		✓		✓						MESSY PRACTICAL Applied Chemistry
OPTION 1: Jelly Bean DNA Make DNA strands, then take home & eat		✓	✓			✓				FUN FINALE Pure Biology
OPTION 2: Physics & Surprise Event Physics of flight, wind-propelled vehicles & Surprise event	✓			✓	✓		✓			FUN FINALE Applied Physics