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| **Stiff and Flexible Materials** | **Electrical and Mechanical** | **Design Skills** | | |
| * Can they measure carefully so as to make sure they have not made mistakes? * How have they attempted to make their product strong? | * Can they add things to their circuits? E.g. motors * How have they altered their product after checking it? * Are they confident about trying out new and different ideas? | Developing, planning and communicating ideas | Working with tools, equipment, materials and components to make quality products | Evaluating processes and products |
| * Can they come up with at least one idea about how to create their product? * Can they produce a plan and explain it to others? * Can they suggest some improvements and say what was good and not so good about their original design? | * Can they tell if their finished product is going to be good quality? * Are they conscious of the need to produce something that will be liked by others? * Can they show a good level of expertise when using a range of tools and equipment? * Do they work at their product even though their original idea might not have worked? | * Have they thought of how they will check if their design is successful? * Can they begin to explain how they can improve their original design? * Can they evaluate their product, thinking of both appearance and the way it works? * Do they take time to consider how they could have made their idea better? |