ANSWER THE QUESTIONS WITH SKETCHES AND NOTES. CLICK ON EACH 'CAT' FOR **HELPFUL LINKS.**

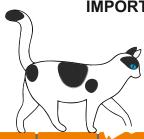
MODELS AND PROTOTYPES KNOWLEDGE MAP

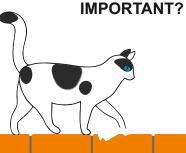
1. WHY IS IT IMPORTANT TO MAKE MODELS, AS PART OF THE DESIGN PROCESS?

2. CAD AND EVEN SPREADSHEET SOFTWARE, CAN BE USED TO PRODUCE A MODEL. WHY ARE COMPUTER MODELS

3. NAME AND DESCRIBE THE USE OF 5 PIECES OF MODEL MAKING EQUIPMENT. Include an image of each piece of equipment.











6. DESCRIBE THE **PROPERTIES AND USE OF BALSA WOOD and** STYROFOAM. Include images of models

made from these materials.



5. DESCRIBE **CORRUGATED CARD** and FOAM BOARD. Include images of both materials.

4. WHEN ARE ART STRAWS USEFUL AS A **MODELLING MATERIAL?**

7. WHAT ARE **ARCHITECTURAL MODELS? WHY ARE** THEY USEFUL? Include an image of an architectural model.



8. PASTE AN IMAGE OF A 'CAD' GENERATED **MODEL. EXPLAIN WHY** THE CAD MODEL IS **VALUABLE TO A DESIGNER / CLIENT.**



9. DESCRIBE AN **EXAMPLE OF A 'COMPUTER GENERATED** SYSTEMS MODEL'.



