

# TECHNOLOGY

## SCIENCE BADGE ACTIVITY SHEET

This is a sample Technology Activity Sheet only. Its main purpose is to show you some of the interesting activities that you can do when you choose this badge. Also, you can use this sample sheet to start doing the badge activities, while your teacher is sending away for the full activity sheet and badge. If you have completed some of these activities before your full sheet arrives, your teacher can mark this sheet, then transfer the marks to the full activity sheet.

Rating	Exercises in Technology	Teacher's initials and date
2**	Collect pictures of different types of bridges and present them with your own drawings of the structural skeleton strengthening them.	
7**	Design and build a model; land yacht. Measure the distance it will travel away from a single electric fan.	
8**	Investigate how lifts in the tall buildings operate. Draw a poster which shows the important features of the lift design.	
12*	Using LEGO Technic or similar, design and construct a trolley that has a device for picking up and unloading messy or prickly garden rubbish.	
16**	Examine the operating mechanism of a pedal operated rubbish bin. Using LEGO Technic or similar, design and construct a different method for opening a rubbish bin. The bin must be easy to empty.	
20**	Using LEGO Technic or similar make a model of a household appliance such as a cake mixer, dishwasher, food processor etc.	

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