

# Town Centres – Market Square – Litter Bins

## THE SITUATION

It has been agreed by Milton Keynes Council to invest in a new approach in ensuring that the town is kept clean. This is especially important to them as they wish visitors to get a good impression. Part of the project is to replace the existing set of litter bins with a new range. The main area around the central zone of the town which will be car free, will have their bins emptied quickly throughout the day. It is intended to use a small fleet of dustcarts the size of a small van, to undertake the task as some of the roads are small and narrow. Shop waste will be emptied at night by the same fleet and during the day if there is an emergency or if it is becoming an issue. The council has hired new staff and has bought 4 new vehicles.



## AIM

To design and make a range of **litter bins** which will reflect the tradition and style of Milton Keynes but also be modern and new in their appearance. It is up to you to decide whether to make them free-standing or attached to a lamppost. They will need some form of liner, which can be removed quickly. Any material can be used if you feel it is appropriate.



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For the design task complete the sections list below, on the pages shown.

- a) Design Specification
  - b) Research
  - c) Initial Ideas
  - d) Development
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**(a) Design Specification**

List **four** design requirements for the specification of the product you are designing.

Requirement 1: \_\_\_\_\_

\_\_\_\_\_

Requirement 2: \_\_\_\_\_

\_\_\_\_\_

Requirement 3: \_\_\_\_\_

\_\_\_\_\_

Requirement 4: \_\_\_\_\_

\_\_\_\_\_

List **two** places you can find information from:

Source 1: \_\_\_\_\_

\_\_\_\_\_

Source 2: \_\_\_\_\_

\_\_\_\_\_

**(b) Research**

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List down **four** things you have learned from the research

Element 1: \_\_\_\_\_

\_\_\_\_\_

Element 2: \_\_\_\_\_

\_\_\_\_\_

Element 3: \_\_\_\_\_

\_\_\_\_\_

Element 4: \_\_\_\_\_

\_\_\_\_\_

**(c) Show a range of Initial Ideas**

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**(d) Development of Initial Idea(s)**



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**(e) Final Design - Include all necessary detail**