

EXAMINATION PREPARATION

V.Ryan © 2000 - 2009

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet .

THESE MATERIALS CAN BE PRINTED AND USED BY TEACHERS AND STUDENTS.
THEY MUST NOT BE EDITED IN ANY WAY OR PLACED ON ANY OTHER MEDIA INCLUDING WEB SITES AND INTRANETS.
NOT FOR COMMERCIAL USE.
THIS WORK IS PROTECTED BY COPYRIGHT LAW.
IT IS ILLEGAL TO DISPLAY THIS WORK ON ANY WEBSITE/MEDIA STORAGE OTHER THAN www.technologystudent.com

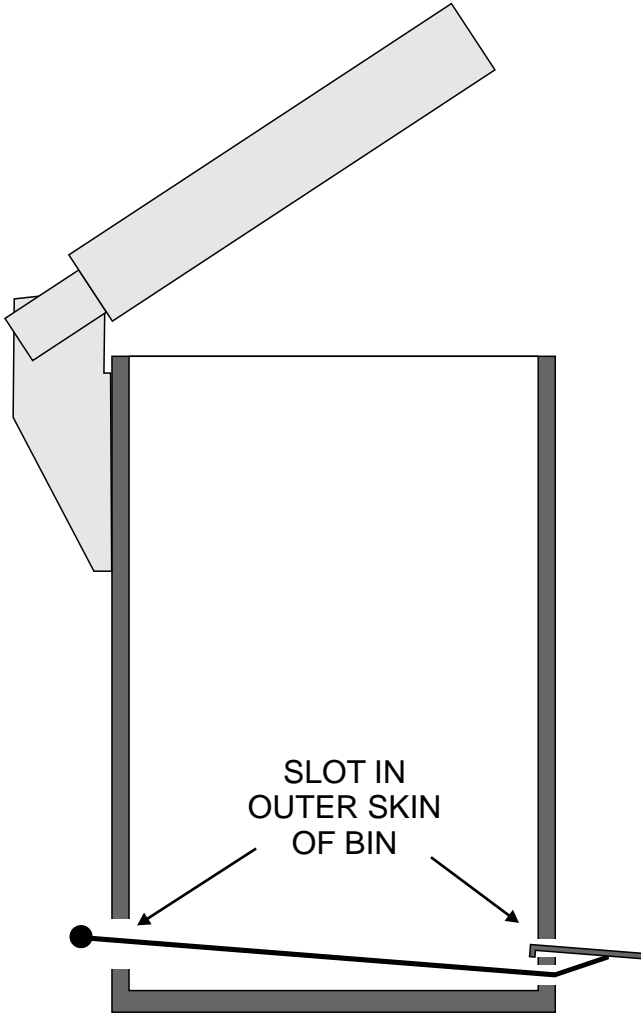
You have been asked to design a mechanism that will allow a simple press with a foot on a pedal to lift / open a bin lid.

The pedal bin is shown below. The mechanism is incomplete.

Complete the drawing of the mechanism.

Label all parts.

Explain how the mechanism works



What are the safety issues with this type of design?

What materials would you select for the parts of the mechanism? Explain the selection of each material.

What joining techniques would you use for the mechanism and its parts?
