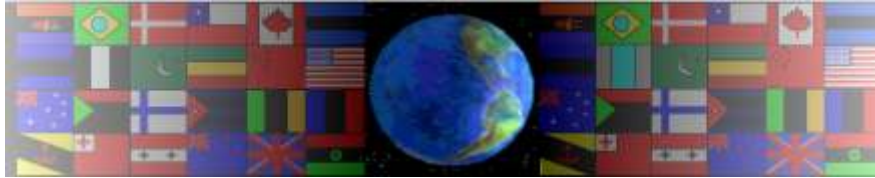# MECHANISMS INFORMATION / WORKSHEETS

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 .
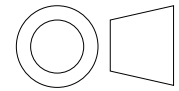
CAM TOY - WORKING DRAWING

Construct a working drawing of your best design. You must include a front view, side view and a parts list. The example shown has a number of dimensions added - you should add at least six dimensions to your working drawing. You may have to draw you design to a scale of 1:2 (half full size) in order to fit it one the paper. Include the British Standards symbol for 'third angle projection'.
Add parts the to parts list - for example, a handle to turn the cam profile.

150mm

15

90mm

90mm

100mm

280mm

50mm

4

1
2
3
4
5
6
7
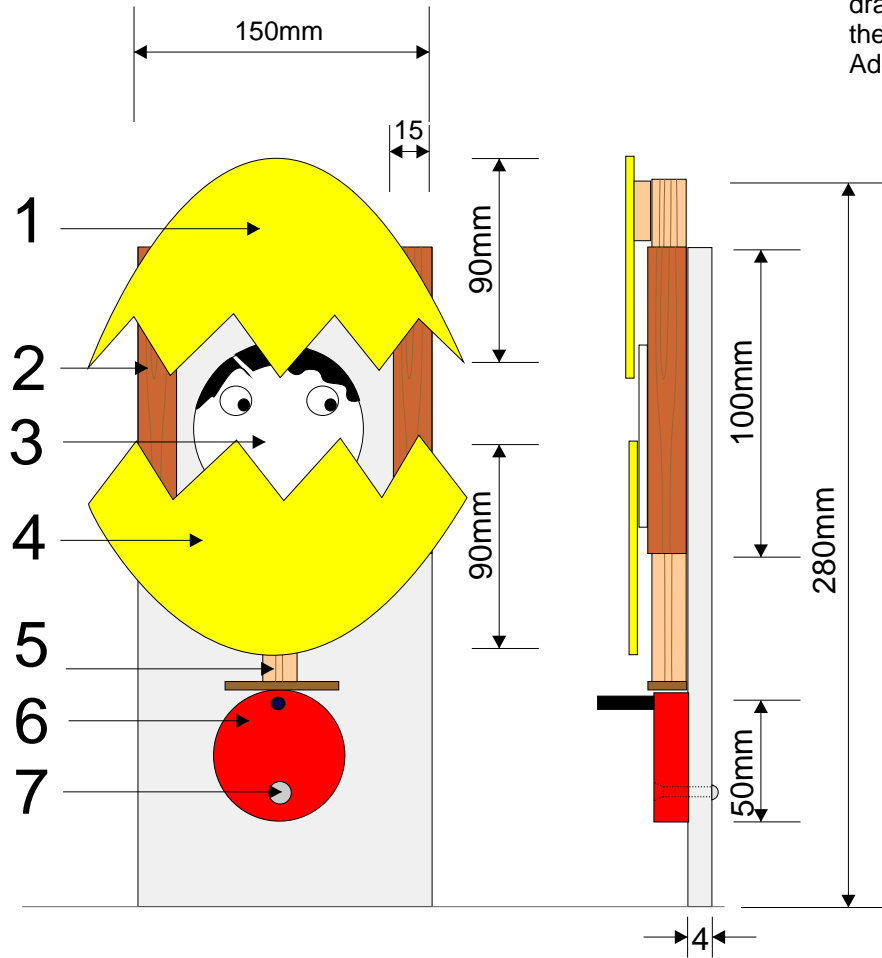
SCALE 1:2

THIRD ANGLE PROJECTION

PART No	No OFF	DESCRIPTION	MATERIAL	DIMENSIONS	FINISH
1	1	EGG - TOP	MDF	190 X 90 X 4mm	PAINT
2	2	SUPPORTS	PINE	100 X 15 X 15mm	NATURAL
3	1	FACE	MDF	DIA. 70MM X 4mm	INK
4	1	EGG - BASE	MDF	190 X 80 X 4mm	PAINT
5	1	FOLLOWER	PINE	80 X 15 X 15mm	NATURAL
6	1	CAM - PROFILE	MDF	DIA. 50 X 6mm	NATURAL
7	1	RIVET	ALUMINIUM	DIA. 4mm X 30mm	NATURAL

NAME: WORKING DRAWING   DATE:

CAM TOY - WORKING DRAWING

Construct a working drawing of your best design. You must include a front view, side view and a parts list. You should add at least six dimensions to your working drawing. You may have to draw you design to a scale of 1:2 (half full size) in order to fit it one the paper. Include the British Standards symbol for 'third angle projection'. Add parts the to parts list - for example, a handle to turn the cam profile.

SCALE 1:2

THIRD ANGLE PROJECTION

NAME:

WORKING DRAWING