

# WHY MAKE A MODEL?

V.Ryan © 2000 - 2009

On behalf of The World Association of Technology Teachers

## W.A.T.T.



World Association of Technology Teachers

The exercise can be printed and used by teachers and students. It is recommended that you view the website [www.technologystudent.com](http://www.technologystudent.com) before attempting the design sheet .

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2009 World Association of Technology Teachers



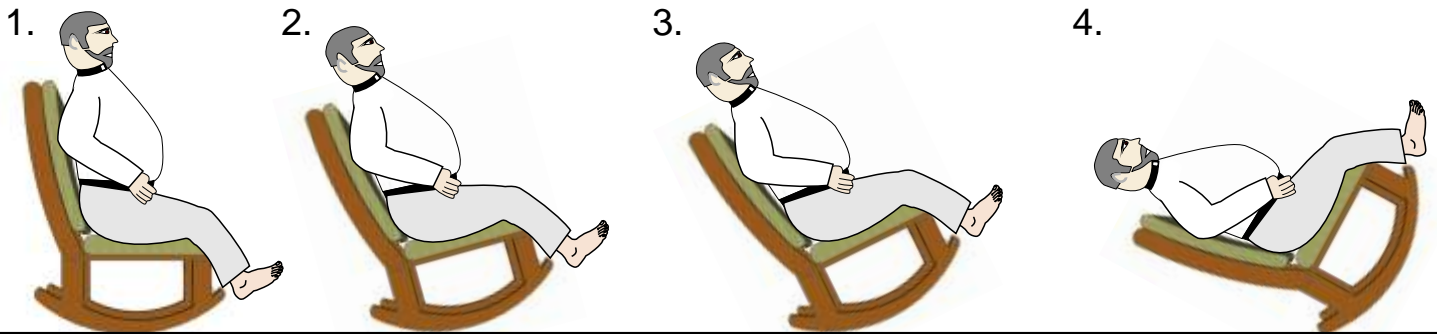
Testing models is an excellent way of identifying problems and faults.

There is a safety problem with the model chair, have you spotted it? What would happen if the rocking chair 'rocked' back too far?

This model allowed the designer to identify the danger, he had missed it when looking at the sketches he had drawn on paper.

The series of diagrams below shows the danger clearly.

**DANGER**



1. Describe the nature of the danger / potential accident, as seen in the design of rocky chair shown above.

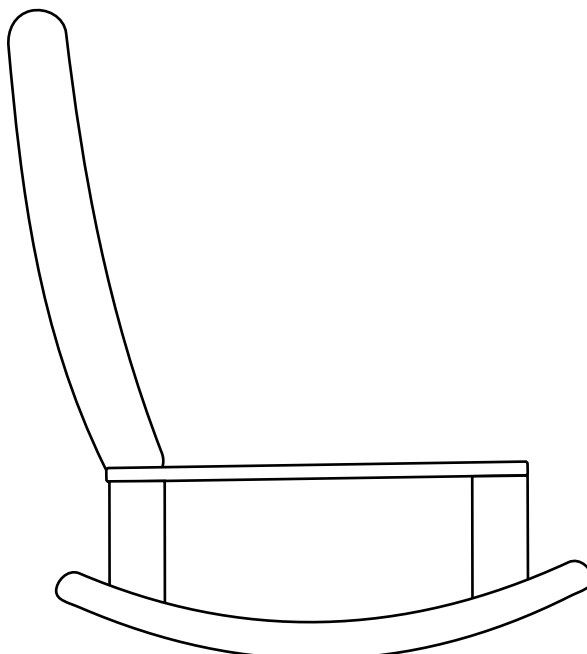
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2. Explain how would you solve the problem you described in question 1? You can alter the existing drawing or add a new drawing / drawings, as your answer. Add notes / labels to help explain your solution.

## EXISTING DESIGN



## NOTES

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3A. Describe a model you have made.

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3B. Was making the model a useful process? Explain your answer.

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3C. Did you make alterations to your design due to testing your model? Describe the alterations.

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4. Using the internet as a research tool, collect images of models of furniture manufactured by designers. Paste the images you collect in the space below.