

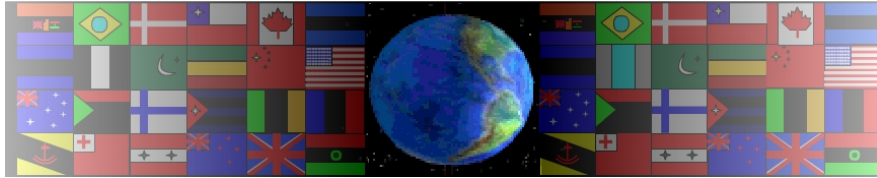
# SYDNEY OPERA HOUSE- INSPIRED BY NATURE

Jorn Utzon

V.Ryan © 2000 - 2015

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](http://www.technologystudent.com)) before attempting the design sheet .

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# SYDNEY OPERA HOUSE- INSPIRED BY NATURE

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1. Who was Jorn Utzon and what inspired him when designing?

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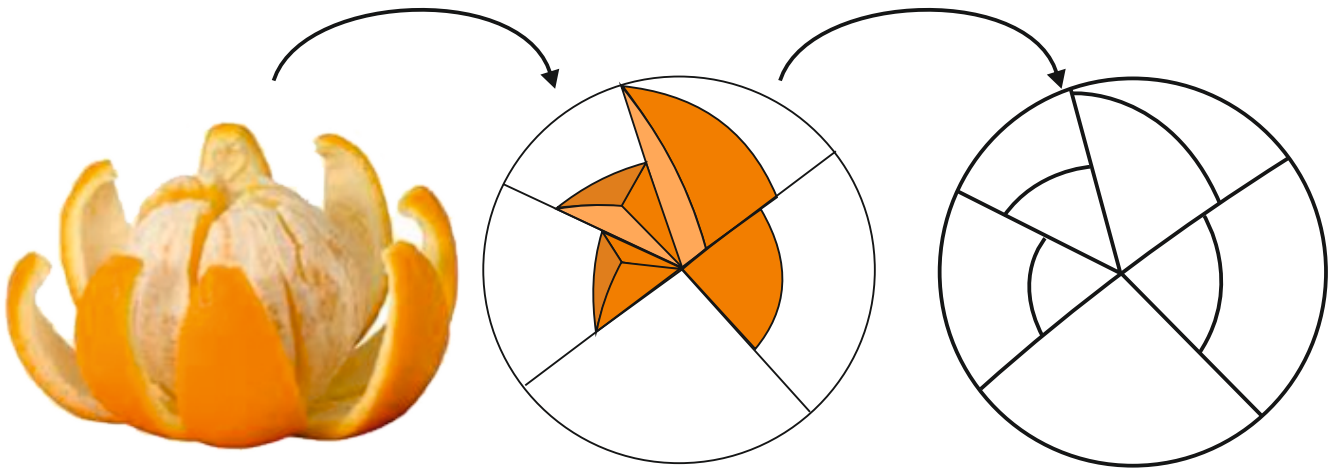
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2. It is said that Jorn Utzon took the shape of the peelings from an orange, as the inspiration for the shell roofs, of the Sydney Opera House (see diagram below).



On the following pages you are to design a shelter for three to four people, based on the same style as Jorn Utzon's orange peel inspired shell roof, for the Sydney Opera House.

The shelter is to provide cover when it is raining. It is for use on a beach or at a barbecue.  
It should be easy to set up and take down.  
It should be lightweight.  
It should be stylish and aesthetically pleasing.

**PRODUCE TWO DIFFERENT DESIGNS**

Draw two rough sketches / ideas. You will gain marks for the following:

Two clearly drawn sketches.

Labels and notes that help to explain each design.

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IDEA 1

Draw two rough sketches / ideas. You will gain marks for the following:

Two clearly drawn sketches.

Labels and notes that help to explain each design.

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IDEA 2