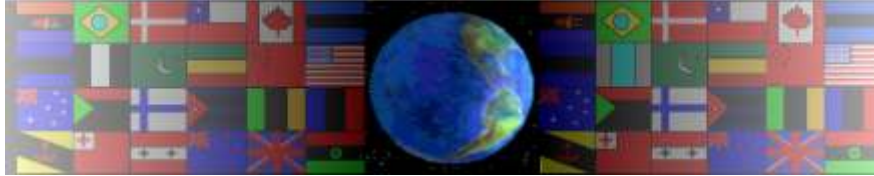


THE EMPIRE STATE BUILDING

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

THE EMPIRE STATE BUILDING

V.Ryan © 2009 World Association of Technology Teachers

1. Complete the passage below by adding the missing words / phrases.

In its day, the Empire State Building was constructed using up-to-date technology. A substantial _____ base was laid as a _____ to take the weight of the steel framework of the building. All the steel sections were _____, that is, manufactured in a steel mill and transported to the construction _____. The sections were manufactured to exact sizes to within 2mm _____ and prepared so that they could either be _____ together or joined with _____. It only took _____ for the sections to be manufactured in the steel mill, _____ and positioned in the framework as part of the buildings structure.

Once the steel framework was fixed in positioned it was then finished with an outer skin of stone.

- prefabricated foundation three days tolerance bolted rivets
- concrete site transported

2. Who were the 'sky boys' and what type of work did they do?

3. How many stories does the Empire State Building have? _____

4. How many elevators does the Empire State Building have? _____

5. Who were the Architects and Builders ?

6. How high is the Empire State Building? _____

4. What was the entire cost of construction? _____

3. In the space below draw a diagram or diagrams that represent the way 'hot rivets' were used to construct the steelwork of the Empire State Building. Include notes and labels.

THE EMPIRE STATE BUILDING

V.Ryan © 2009 World Association of Technology Teachers

1. The Empire State Building is located in the USA. Draw a circle around the City, on the map below.



2. What City is it in ? _____ What State is it in ? _____

3. Try to find out some information about New York. For example the size of its population.



4. On the map of New York, draw a circle round the location of the Empire State Building.

In the space below list some of the other famous places and explain why they are important.
