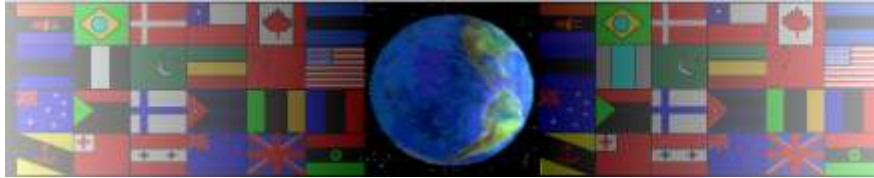


ALTERNATIVE WINTER SLEDGE

V.Ryan © 2000 - 2010

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

ALTERNATIVE WINTER SLEDGE

V.Ryan © 2010 World Association of Technology Teachers

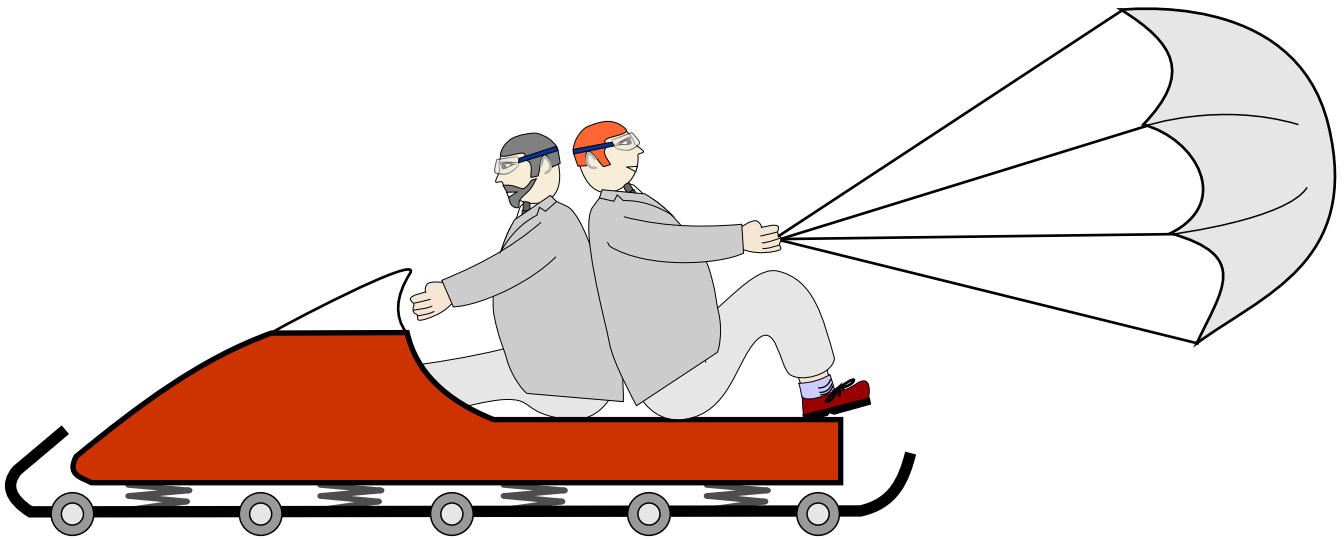
COMPLETION DATE :

HAND IN DURING YOUR
TECHNOLOGY LESSON.

DESIGN BRIEF

You are to design a winter sledge that also works during the summer months. During the winter the sledge will be used on snow (if it snows). It must be possible to use it on grassy slopes/inclines during wet or dry weather and on normal steep roads.

The sledge should seat at least two people and it could have a range of features. These could include heated seats, hand rails, seat belts, parachute breaking system, headlights for night sledging, satellite guidance system, an electric motor for added speed and many more.



TASKS

1. Research sledges on the internet and collect images that you like. Paste the pictures on to an A4 sized piece of paper.
2. Add notes that explain what you like about each of the image. You may wish to explain the features that you like.
3. Now consider your own sledge design. Draw two rough designs and add notes that explain your ideas.
4. Select your best design. Draw your design accurately and add colour and shade.
5. Add labels that clearly identify all the features of your sledge.

ASSESSMENT CRITERIA

To achieve a high grade:

Produce a good range of research and include detailed notes.

Draw two rough designs clearly and explain each design.

Produce an accurate colour rendered drawing of your final idea, identifying all the features of the sledge.

REWARD POINTS AND CERTIFICATES FOR THE WINNERS