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.

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1. What is Kevlar®?

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2. How is Kevlar® formed into a textile material?

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3. List eight products that include the material Kevlar®

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4. Kevlar® is one type of Kevlar. Name the two other main types.

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5. Select a product that includes one of the types of Kevlar® in its manufacture. Name the product and describe/explain the reasons why this material has been used. Include sketches.

NOTES:__________________________________________________________________________________________________________________________________________________________

SKETCHES

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6. Apart from weight and strength, Kevlar® has other advantages. What are they? Refer to products and practical applications in your answer.

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6. Kevlar® has a specialist role as a material. It is not used widely because it has certain disadvantages. What are the disadvantages of Kevlar®? Refer to products and practical applications in your answer.

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&. Using the Internet as a research tool, collect images of products that utilise Kevlar®. Paste the images in the space below.