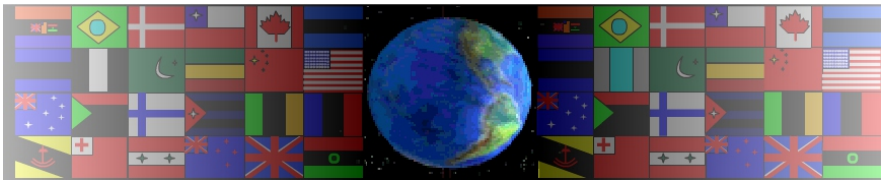
PRODUCT DEVELOPMENT - HOW A BATTERY POWERED BICYCLE CAN BE MODERNISED

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 .

PRODUCT DEVELOPMENT - HOW A BATTERY POWERED BICYCLE CAN BE MODERNISED

Below is a drawing of a electric bicycle. Study the drawing and carefully read the description.

Draw an improved design and write a description.

TRADITIONAL BATTERY POWERED BICYCLE

MODERN BATTERY POWERED BICYCLE

DESCRIPTION

An environmentally friendly six-speed battery-powered bike.
Manual, electric assist or electric power mode.
The Lithium/Manganese Dioxide battery allows 15 ½ miles in electric mode or 22 miles in electric assist mode. Battery weight - 43 lbs.
Top speed in electric mode 15 mph.
60.96cm (20inch) wheels, 26.67cm seat,
Folds to 78cm Length x 45cm Width x 66cm Height.

Aluminium Alloy frame
Double Wall Aluminum wheel rims.

Price £550

DESCRIPTION