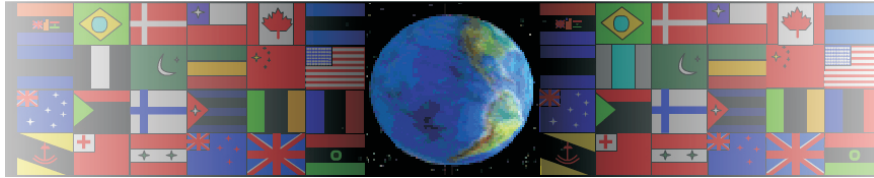


# MATERIALS

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On behalf of The World Association of Technology Teachers

## W.A.T.T.



World Association of Technology Teachers

The 'Materials Exercise' can be printed and used by teachers and students. It is recommended that you view the website section 'Graphics' ([www.technologystudent.com](http://www.technologystudent.com)) before attempting the design sheet.

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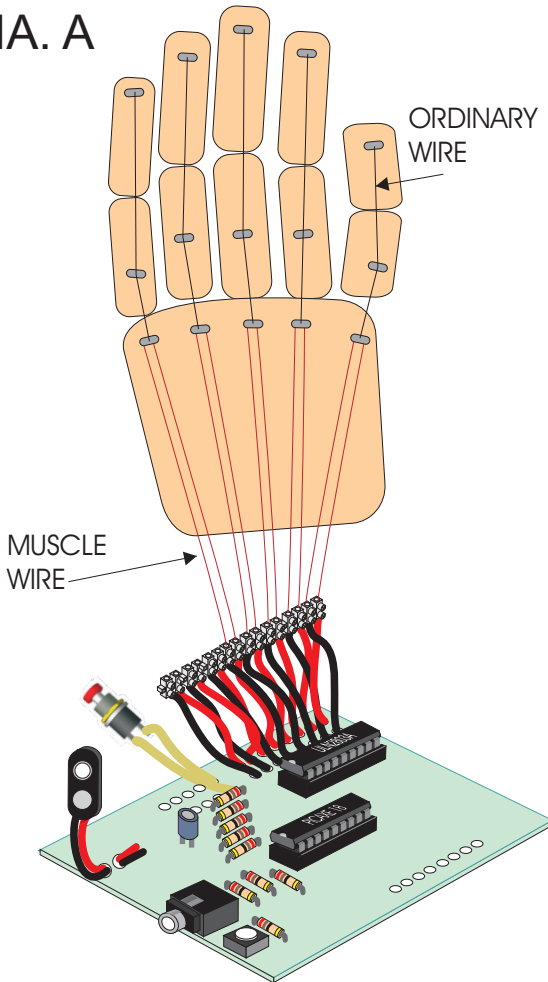
# PRACTICAL USES OF MUSCLE WIRE

[HELPFUL LINK - http://www.technologystudent.com/equip1/sma2.htm](http://www.technologystudent.com/equip1/sma2.htm)

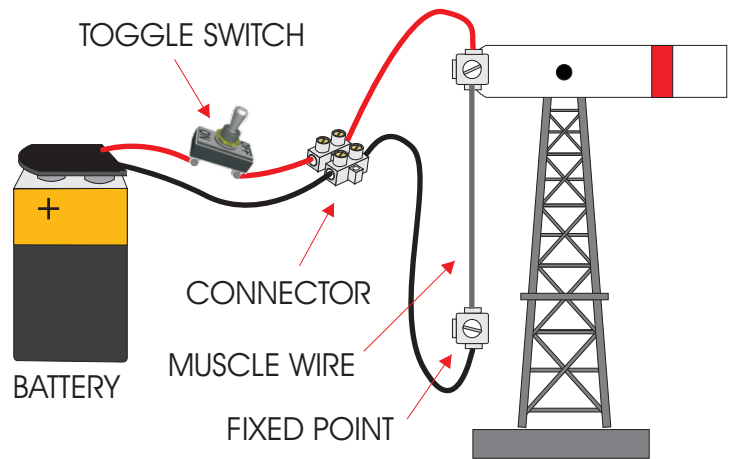
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Two practical uses of 'muscle wire' are shown below. Diagram 'A' shows a programmable circuit controlling the movement of an artificial hand, used in a shop display. As the wire expands and contracts the fingers move. Diagram 'B' shows muscle wire controlling a model railway signal. As the wire expands and contracts the signal moves up and down.

DIA. A



DIA. B



In the space below design another way in which muscle wire could be used. Draw a diagram and add notes to explain your idea.

IDEA

NOTES

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