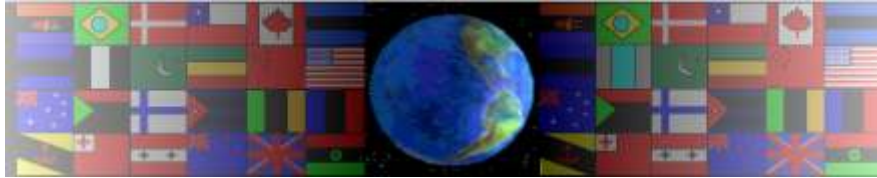


# FIXED RESISTORS

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On behalf of The World Association of Technology Teachers

## W.A.T.T.



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# FIXED RESISTORS

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Why are fixed resistors used in many circuits?

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The resistor shown opposite has four bands of colour.

What do the first three bands help determine?

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On the resistor shown above the fourth band of colour is to the right. What is the fourth band used for?

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A common value of 'K' is used when stating the value of a resistor. What does 'K' mean?

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A common value of 'R' is used when stating the value of a resistor. What does 'R' mean?

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A common value of 'M' is used when stating the value of a resistor. What does 'R' mean?

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If 47R means 47 ohms complete the following resistor values:

5R6 means \_\_\_\_\_

6k8 means \_\_\_\_\_

1M2 means \_\_\_\_\_

What materials are used in the manufacture of a typical resistor?

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All resistors have a set value. They also have a 'tolerance'. What does this mean?

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Fixed resistors are only one type of resistor. Name other types of resistors below.

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