

FLASHING LED CIRCUIT - THE COMPONENTS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers



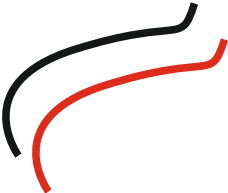
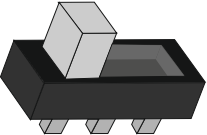
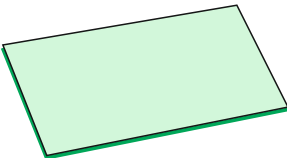
This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet .

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FLASHING LED CIRCUIT

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1. You are going to use the components shown below to build a flashing light circuit. Complete the table by:
 A. Writing the correct name of each component.
 B. Indicating if the function of the component is TRUE or FALSE. If FALSE, write the correct function of the component below.

COMPONENT	NAME	FUNCTION
		Used to connect to mains electricity. TRUE / FALSE
		Shines brightly and uses little electrical power. TRUE / FALSE
	INSULATED WIRE (RED and BLACK)	Used to join all the components together. TRUE / FALSE
		Used to increase and decrease voltage. TRUE / FALSE
	PCB PRINTED CIRCUIT BOARD	The tracks of the circuit are on the PCB TRUE / FALSE

BATTERY SNAP

FIXED RESISTOR

CAPACITOR

TRANSISTOR

MINIATURE SLIDE SWITCH

LIGHT EMITTING DIODE

BULB

PCB - PRINTED CIRCUIT BOARD

TOGGLE SWITCH

WIRES