

Science series

(196453)



Study Guide

Artec

2-Way

AGE

84

Learn about electric circuits by comparing the way series and parallel circuits work!

r Circuit Kit

WARNING:

CHOKING HAZARD - Small parts. Not for children under 3 yrs. Keep out of reach of small children to prevent accidental swallowing. PUNCTURE HAZARD - Parts with sharp points. Only for use by children aged 8 yrs and older. To be used under the direct supervision of an adult.

Two cycles for turning a child into a science lover



Inquisitive learning approach nurtures the abilities of...

- 1) Planning ... Look ahead by yourself
- 2 Action ... Put the plan into practice
- 3 Analysis \cdots Self-examine the result
- Improvement ··· Improve the results based on the analysis

Experiential learning approach nurtures the abilities of...

- Focusing … Direct attention to what is fun
 Thinking … Focus and think hard while
- experiencing ③ Accomplishment ··· Sense of accomplishment
- by figuring out something after thinking

 Aspiration … Gain a strong desire for achievement after the accomplishment

The inquisitive learning and experiential learning approaches of Artec's Science Series will turn children into great lovers of science!



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Make sure to read these carefully before use. (Parents/guardians, read these instructions carefully.)

- Instructions for parents are included and must be observed.
- 2 x 1.5 V x AA/LR6 (not included)
- Read the instructions carefully and check the wiring. If wiring is incorrect, a short circuit may occur.
 - This could cause overheating or damage to the equipment.
- Take care to avoid the following situations, which may cause the battery leakage, overheating, or other damage.
 - 1. Short-circuiting of batteries
 - 2. Incorrectly attaching the connecting plugs
 - 3. Installing batteries with the polarity reversed
 - 4. Continuing operating while the motor is stalled
- The toy is not to be connected to more than the recommended number of power supplies
- Store this product away from high temperatures, humidity, and direct sunlight.





Preparation for the experiment!







Preparation for the experiment!





The flow of electric current



★Double check to make sure you inserted the batteries in the correct polarity. 8

terminal.







Series and parallel circuits



Voltage and current



Voltage and current



Let's learn more about it!



Let's learn more about it!



Let's make it!





the battery holders in the correct polarity.

the batteries in the correct polarity.