

PHYSICAL SCIENCES

PAPER 1

MAY-JUNE

MEMO

2025



Figure 1: A circuit is shown in which E , the EMF (12 V) is equal to the voltage across the battery.

1.1 (4 marks)
State the meaning implied by each of the components in the circuit diagram above. Give 2 in the case of the voltmeter. (2 marks)



- 1.1 (4 marks)
State the meaning implied by each of the components in the circuit diagram above. Give 2 in the case of the voltmeter. (2 marks)
- 1.2 (4 marks)
Calculate the value of the force F required to keep the beam in equilibrium. (4 marks)



Physical Science Memo Feb 2014 Paper 1 Grade 12

Brendan G. Carr



Physical Science Memo Feb 2014 Paper 1 Grade 12:

Investigating Light and Shadow with Young Children (Ages 3-8) Beth Dykstra Van Meeteren, 2022-06-17 Children are intrigued by switches that power a light source and by items that reflect light and sparkle and they take notice of personal shadows cast on the playground An understanding of light and shadow is crucial to many STEM fields including astronomy biology engineering architecture and more This book shows teachers how to engage children ages 3 8 with light and shadow in a playful way building an early foundation for the later more complex study of this phenomena and ultimately for children s interest in professions within the STEM fields The text offers guidance for arranging the physical environment of classrooms integrating literacy learning and investigations and building partnerships with administrators Each volume in the STEM for Our Youngest Learners Series includes examples of educators and children engaging in inquiry learning guidance for selecting materials and arranging the learning environment modifications and accommodations for diverse learners support for establishing adult learning communities and more

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