

# **MID YEAR MARKING GUIDELINE 2024**

**GRADE 11**

**PHYSICAL SCIENCES: PHYSICS (P1)**

**MARKS: 100**

**TIME: 2 hours**

# Physical Science Paper2014 Memo Grade11

**Xiang Xie**



## **Physical Science Paper 2014 Memo Grade 11:**

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

**Physical Sciences** Santie Du Plessis, 2015    **Physical Sciences 11**, 2012    Physical Sciences in a Nutshell Marion Mann, Renee Smith, 2000    Physical Science, 2009    **Everything Science**,    **Physical Science for Gr 11 : Physical Science for Grade 11 Theory, Exercises & Practical Investigations (CAPS)** J. M. Lucas, 2012    *Spot on Physical Sciences* M. Elfrink, 2008    **Doc Scientia Physical Sciences. Physics** Ronel Bernardo, Hendry Du Plessis, Santie Du Plessis, Doc Scientia Centre, 2013    Physical Sciences. Physics Ronel Bernardo, 2020    *Physichem 11 CAPS* Faan Jordaan, Retha Jordaan, Marike De Beer, 2011    Physical Sciences S. Grussendorff, 2017    *Physical sciences*, 2009\*    **Physical Sciences Explained** Ron Jones, Neil Berens, 2008    Physical Sciences Marion Mann, 2012    **Focus on Physical Science**,    Physical Sciences for All, 2006    **Physical Sciences Explained** Ron Jones, Neil Berens, 2006    Shuters Physical Sciences,    **Physical Sciences for the Classroom** John Bradley, 2009

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