



**PHYSICAL SCIENCES  
PAPER  
GRADE 11  
JUNE 2024**

**EXAMINER: S. du Plessis  
MODERATOR: L. le Roux**

**TOTAL: 100  
TIME: 2 hours**

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**INSTRUCTIONS**

1. This paper consists of six questions.
2. Answer all questions in this paper.
3. Show all formulae and substitutions in all calculations.
4. Round off your final numerical answers to a minimum of TWO decimal places.

# Memorandum 14 November 2014 P1 Physical Science

**James Essig, Steve McCarter**



**Memorandum 14 November 2014 P1 Physical Science:**

*The Case for Pandora* James Essig, Steve McCarter, 2016-12-19 This book is about building craft for space travel a space travel that is not in the distant future but in the immediate future There is no question that we have the technology to build and power large craft capable of traversing the galaxy and for now this book will focus on achieving the goal of intragalactic travel We will describe various methods of power generation and propulsion delineate the materials and technology for construction discuss the building of the spacecraft from the outside in and show what is required to sustain life on the craft for extended periods of time While we will go into some detail on each of these pointing out advantages and disadvantages to components and methods this is not nor is it intended to be a highly technical book to be used by specialists Rather it is intended to inform the general readership about what is possible and perhaps what is not in building and operating spacecraft for long distance and long duration travel with current and available means

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web the great bass recorder is a member of the recorder family with the revival of the recorder by arnold dolmetsch who chose baroque music and the corresponding recorder types as a fixed point consideration was given to the design of recorder types larger than the bass recorder clarification needed the great bass recorder has up to seven

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web bass recorders bass recorders are huge they have a key of f 3 bass recorders are usually bent for ease of use this raises them up to make playing easier either that or they the straight and have bocals which is a curved metal tube some makers do make them in wood having a bocal means you can adapt the recorder to suit your body size

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web ich bin total von der aulos 533b symphony bass recorder begeistert sie klingt in allen registern sehr warm und hat einen wirklich vollen sound die verarbeitung der mechanik der klappen ist hervorragend und führt somit zu keinen störenden nebengeräuschen beim spielen allein das design ist absolut umwerfend

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web the table in this section shows the standard names of modern recorders in f and c and their respective ranges music composed after the modern revival of the recorder most frequently uses soprano alto tenor and bass recorders although sopranino and great bass are also fairly common

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