Year 11 mock exams/eAssessment final topic list

Unit	Topic
1	How big is everything?
2	How do forces and matter interact?
3	Amazing structures: how have we learned to use force?
4	How far, how fast, how much faster?
5	Free to move?

Resources to use for revision:

- **OneNote**
- **Century**
- **BBC bitesize**
- **Past papers on Managebac**
- **https://revisionscience.com/gcse-revision/physics/physics-gcse-past-papers/aqa-gcse-physics-past-papers**

What is covered under each criterion?

Criterion A: Knowing and understanding

i. explain scientific knowledge

ii. apply scientific knowledge and understanding to solve problems set in familiar and unfamiliar situations

iii. analyse and evaluate information to make scientifically supported judgments.

Criterion B: Inquiring and designing

i. explain a problem or question to be tested by a scientific investigation

ii. formulate a testable hypothesis and explain it using scientific reasoning

iii. explain how to manipulate the variables, and explain how data will be collected

iv. design scientific investigations.

Criterion C: Processing and evaluating

i. present collected and transformed data

ii. interpret data and explain results using scientific reasoning

iii. evaluate the validity of a hypothesis based on the outcome of the scientific investigation

iv. evaluate the validity of the method

v. explain improvements or extensions to the method.

Criterion D: Reflecting on the impact of Science

i. explain the ways in which science is applied and used to address a specific problem or issue

ii. discuss and evaluate the various implications of using science and its application to solve a specific problem or issue

iii. apply scientific language effectively

iv. document the work of others and sources of information used.

MYP command terms:

Blooms/MYP C criteria / DP Command Terms		
Blooms taxonomy	**MYP Criteria**	**DP Command Terms**
Knowledge and Comprehension	The student **recalls** some scientific ideas and concepts and applies these to solve **simple problems**.	**Define Draw Label List Measure State**
Application and Analysis	The student **explains** scientific ideas and concepts and applies scientific understanding to solve **problems in familiar situations**. The student **analyses** scientific information by identifying parts, relationships or causes. The student provides an **explanation** that shows understanding.	**Annotate Apply Calculate Describe Distinguish Estimate Identify Outline**
Synthesis and Evaluation	The student explains scientific ideas and concepts and applies scientific understanding to solve **problems in familiar and unfamiliar situations**. The student **analyses** and **evaluates** scientific information by making **scientifically supported judgments** about the information, the validity of the ideas or the quality of the work.	**Analyse Comment Compare Construct Deduce Derive Design Determine Discuss Evaluate Explain Predict Show Solve Sketch Suggest**