

National 5 Physics – Success Criteria

Formal Assessments:

- ✓ Percentage achieved in Formal Assessments.
- ✓ Consistency shown in Formal Assessments.
- ✓ Areas of strength and areas for development as a result of Formal Assessments.
 - Knowledge and understanding
 - **Dynamics**
 - Vectors and scalars
 - Velocity–time graphs
 - Acceleration
 - Newton’s laws
 - Energy
 - Projectile motion.
 - **Space**
 - Space exploration
 - Cosmology.
 - **Electricity**
 - Electrical charge carriers
 - Potential difference (voltage)
 - Ohm’s law
 - Practical electrical and electronic circuits
 - Electrical power.
 - **Properties of Matter**
 - Specific heat capacity
 - Specific latent heat
 - Gas laws and the kinetic model.
 - **Waves**
 - Wave parameters and behaviours
 - Electromagnetic spectrum
 - Refraction of light.
 - **Radiation**
 - Nuclear radiation
 - Analytical and problem-solving skills in a Physics context
 - develop scientific analytical thinking skills in a physics context, develop problem-solving skills in a physics context
- ✓ Consistency shown in Formal Assessments.

Assignment – 25% of overall SQA grade:

- ✓ That I can clearly follow the success criteria for the assignment.
- ✓ Title
- ✓ Aim
- ✓ Underlying Physics
- ✓ Data collecting and handling
- ✓ Graphical presentation
- ✓ Analysis
- ✓ Conclusion
- ✓ Evaluation
- ✓ Structure

Class/Homework:

- ✓ That I have full and clear notes on all topics covered in the course.
- ✓ I will engage in learning and complete the activities asked of me to the best of my ability.
- ✓ That I meet deadlines for submission and complete outstanding classwork at home.
- ✓ That I respond positively to any advice on homework and try to improve this area.

What will be taken into consideration when deciding on a teacher-estimated grade for National 5 Physics?

- Performance in the Formal Assessment(s) e.g. End of Unit assessments/FAB.
 - Weighting – 40% Unit 1, 70% FAB 1, 100% FAB 2
- The completion of the assignment (25% of overall SQA grade).
- Commitment and Quality in class
- Commitment and Quality of homework.