



Penistone Grammar School

Never Stop Flying

Principal: Mr P Crook (B.Ed Hons)
 Huddersfield Road, Penistone, Sheffield, S36 7BX
 www.penistone-gs.uk
 enquiries@penistone-gs.uk
 01226 762114
 @PGSALC



Achieving Excellence through a Values Driven Education

Dear Parent/Carer,

We are giving students the opportunity to attend targeted revision sessions after school. The content of the sessions will cover areas of weakness from the Y10 practice exams and should help students to prepare for their next set of paper 1 practice exams, which will take place in January 2024.

The sessions will run in the Science Department, on a Monday 3-4pm, starting on Monday 20th November. The timetable for the content that will be covered is below. We hope to see all students there!

Date	Subject	Aiming for a grade 7 or above (Separate and Trilogy students)	Aiming for grades 4-6 on higher tier (Separate and Trilogy students)	Aiming for grades 1-5 on foundation tier (Trilogy students)
Week 11A - 20/11/23	Biology 1	Transpiration, translocation, and structure of xylem/phloem/leaf. Enzymes overview & required practical	Microscopy required practical, food tests required practical	Food tests required practical & cell structure
Week 12B - 27/11/23	Chemistry 1	Structure and bonding, and electrolysis	Structure and bonding	Structure, periodic table, and energy changes
Week 13A - 4/12/23	Physics 1	Energy concepts to explain state changes and gas pressure	Internal energy, state changes, gas pressure, latent heat	Solid Liquid and Gas and state changes, specific latent heat equation
Week 14B - 11/12/23	Biology 2	Communicable diseases, vaccination, monoclonal antibodies (separate only)	Communicable diseases, non-communicable diseases, and vaccination	Exchange surfaces, heart & blood structure
Week 15A - 18/12/23	Chemistry 2	Quantitative chemistry	Periodic table, energy changes, reactions of acids and energy changes	Structure and bonding, reactions of acids
Week 16B - 8/1/24	Physics 2	Advanced techniques for accuracy: density, electrical circuits, specific heat capacity	Required practicals: density, VI graphs, specific heat capacity	Required practicals: density, specific heat capacity

Yours sincerely,

R Beatson

Rachel Beatson
 Curriculum Area Leader for Science



Aim High

Be Determined

Be Brave

Be Supportive

Be Proud