

- Video input from HoD for 7-10 explaining learning journey, help locations, and some game changer opportunities in the area
- Curriculum journey and reading (depts)

Year 10 Science



enjoy respect achieve

Programme of study – Year 10

- Year 10
 - Infection & response, Quantitative Chemistry, Chemistry of the Atmosphere, Atomic Structure & Radioactivity, Forces part 1
 - Inheritance & evolution, Chemical changes, Chemical Analysis, Forces part 2
 - Ecology, Rate of reaction, Magnetism & electromagnetism
- Year 11
 - Homeostasis, Organic Chemistry, Using resources, Waves, Space (Sep Only)
- Homework
 - Tassomai minimum four daily goals per week, every week
 - Alternate weeks Seneca / paper based task

Key assessment points

- Autumn Term

- W/C 10th Oct - **BET Assessment** (Cells, Organisation, Bioenergetics, Atomic structure & periodic table, Bonding, Energy changes, Energy, Particle model of matter, Electricity)
- W/C 12th Dec – **TPS Assessment - Physics paper 1** (Energy, Electricity, Particle model of matter, atomic structure & radioactivity)

- Summer Term

- W/C 24th April – **BET Assessment - Biology paper 1** (Cells, Organisation, Bioenergetics, Infection & response)
- W/C 1st May – **TPS Assessment - Chemistry paper 1** (Atomic structure & periodic table, Bonding, Energy changes, Quantitative Chemistry, Chemical changes)

Support & resources

Padlets (QR links opposite) - password is TPS

Sharepoint (TPS Portal)

Youtube

Cognito

Freesciencelessons

MyGCSEscience

Biology



Chemistry



Physics



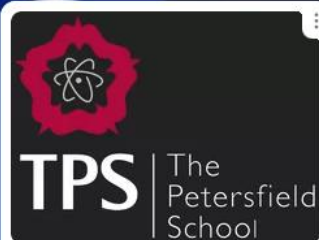


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GCSE Physics

A student kept asking the physics teacher, "What is the unit of power?" but the teacher just kept saying "Yes."

General Physics



1

Physics Paper 1

1. Energy
2. Electricity
3. Particle model of matter
4. Atomic structure and radioactivity

2

Physics Paper 2

5. Forces
6. Waves
7. Electromagnetism
8. Space (Separate only)

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Combined Specification



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01 Energy

En Knowledge Organiser

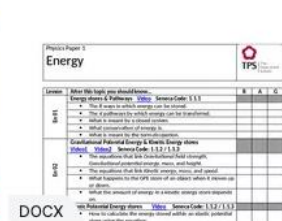


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1 - Energy Knowledge Organiser

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En Module Front Sheet



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Energy_LO Front sheet

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En Knowledge Mat



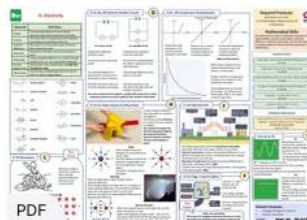
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02 Electricity

EI Knowledge Organiser

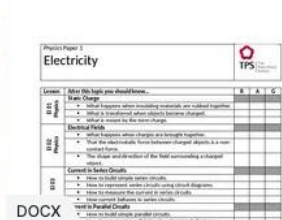


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2 - Electricity Knowledge Organiser

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EI Module Front Sheet



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Electricity_LO Front sheet

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EI Sharepoint



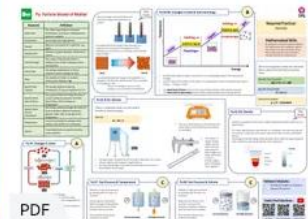
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03 Particle model of matter

Pa Knowledge Organiser

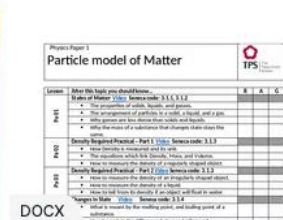


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3 - Particle Model of Matter Knowledge Organiser

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Pa Module Front Sheet



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Particle Model of Matter_LO Front sheet

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Pa Sharepoint



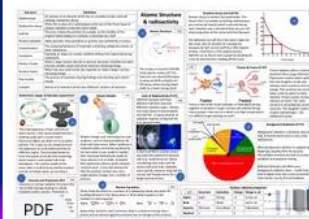
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04 Atomic Structure and Radioactivity

At Knowledge Organiser

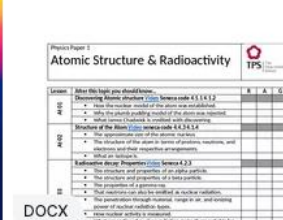


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4 - Atomic Structure Knowledge Organiser

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At Module Front Sheet



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Radiation_LO Front sheet

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At Sharepoint



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05 Forces

Fo A Knowledge Organiser

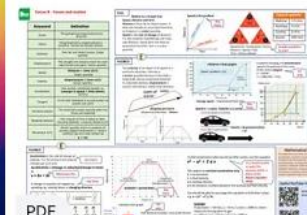


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Fo A - KO Forces and their interactions

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Fo B Knowledge Organiser



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Fo B - KO Forces and Motion

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Fo A Module Front Sheet



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Forces A_LO Front sheet

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Gamechanger opportunities

GO

- Clanfield Observatory open evenings
- Winchester STEM centre

WATCH

- BBC iPlayer Science & Nature
- Youtube Veritasium
- Youtube Smarter every day

READ

- A brief history of nearly everything – Bill Bryson
- What if? – Randall Munroe

Year 9 Science



enjoy respect achieve

Programme of study – Year 9

- Year 9
 - Fundamental skills, Particles (Cells part 1, Rate of reaction part 1, Particle model of matter part 1)
 - Organisation part 1, Bioenergetics, Organisation part 2
 - Atomic structure part 1, Bonding, Energy changes, Atomic structure part 2
 - Energy, Forces part 1, Atomic structure & radioactivity
- Homework
 - Tassomai
 - Seneca recap of KS3 knowledge for first term, then alternate weeks Seneca / paper based task

Key assessment points

- Spring Term
 - W/C 30th Jan – BET Assessment – Fundamental skills, Particles
- Summer Term
 - W/C 5th June – BET Assessment – Fundamental skills, Particles, Organisation part 1, Bioenergetics, Atomic structure part 1, Bonding, Energy, Forces part 1

Support & resources

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Physics



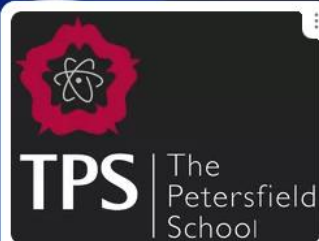


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Physics Paper 2

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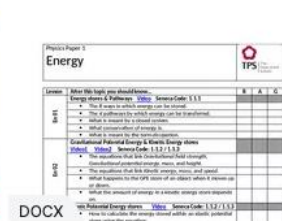


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En Knowledge Mat



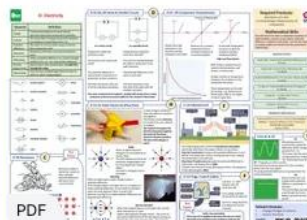
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02 Electricity

EI Knowledge Organiser

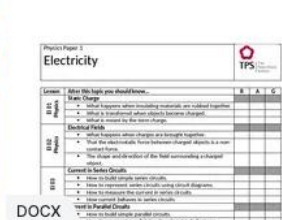


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EI Sharepoint



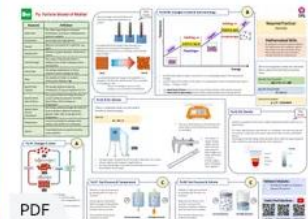
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Pa Knowledge Organiser

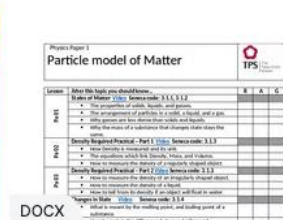


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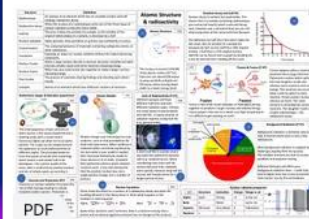
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At Knowledge Organiser

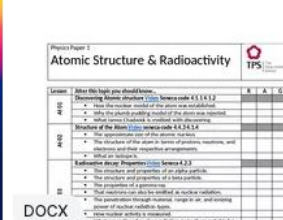


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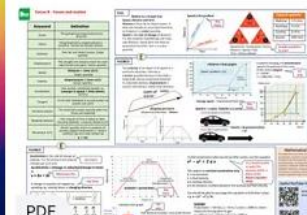


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