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| **SUBJECT**: Science | **YEAR GROUP**: 9 |
| **TERM: Spring Term** | **RSL CONTACT DETAILS**:Mr PAgbagoba@woolwichpolyboys.co.uk |
| **Key topics students must revise:** | Cells biology: cell division, stem cells, movement of substancesEnergy: energy store, energy transfer, power, work doneAtomic structure: atoms and isotopes, electronic structure, compounds, periodic table, metals and non-metals, groups 1, 7 and 0, separating techniques.Particle physics: density, kinetic theory and change of state, specific heat capacity, internal energy and specific latent heat, pressure in gases (triple only).Bioenergetic: aerobic/anaerobic respiration, photosynthesis.Energy Changes: Endothermic and exothermic reactions.Infection and Disease: Bacterial and viral diseases. Communicable and non-communicable diseases.Structure and Bonding: Covalent bonding and Ionic bonding. Properties of covalent and ionic compounds.Nuclear Physics: Development of the atomic model, radioactive decay and half-life.HSW- graph skills, data handling, IV, DV and CV |
| **How should students revise these topics?**(e.g. Knowledge organisers, Revision linksand resources) | Use the knowledge organisers via email link to all yr8’s.<https://classroom.thenational.academy/subjects-by-key-stage/key-stage-3/subjects/science>Has videos, quizzes and worksheets to help them revise with answers! |
| **What revision skills are taught in lessons? And when?** | Listening/ Read Now Tasks/ recall and retrieval through Poly Pop Quizzes. End of topic tests with Whole Class Feedback to develop exam skills every half term. Regular practice of exam questions. |
| **Exam practice**(website: where students can test themselves on what they have learnt/revised) | [***https://www.educationquizzes.com/ks3/science/***](https://www.educationquizzes.com/ks3/science/)***Seneca- link emailed to whole year group*** |
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