The Ellesmere Port C of E College

PRT Task 1

PRT Task 2



Year 12 Applied Science SRS

The LORIC skill focus for his LP is: ORGANISATION The Moral Virtues focus for this LP are: COMPASSION and HONESTY Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others. Honesty - the quality of being truthful.		Literacy: • Capital letters must be used at the sta
		of sentences and for the first letter of proper nouns
/hat will I be learning about in this Learning Programme?		 Full stops must be used at the end of
You are learning about different properties of chemicals and why these different properties are present, as well as the characteristics of waves. Where have I seen this learning before? You will have learnt about the Periodic Table in GCSE Chemistry and about waves in GCSE Physics.		sentence Question marks must be used at the end of a question Apostrophes should only be used for possession or omission Days of the week and months must b spelled correctly Key words must be spelled correctly
n LP2.1, I will know: 21/10/24 - (WK 2)	Key Vocabulary	Homework
ow to describe and explain different types of intermolecular forces;		Exam practice on writing balanced
ow to write and balance symbol equations.	intermolecular	equations.
1 LP2.2, I will know: 04/11/24 - (WK 1)	Key Vocabulary	Homework
ow to use balanced symbol equations to work out moles, molar masses and molarities; ow to calculate empirical formula.	moles	Calculations on empirical formula.
P2 RLW, I will: 11/11/24 - (WK 2)		Calculations on reaction quantities and
eview my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.	yield	yield.
1 LP2.3, I will know: 18/11/24 - (WK 1)	Key Vocabulary	Homework
ow to calculate reaction quantities and yield; ne organisation of the Periodic Table.	electronegativity	Exam questions on atoms.
xtended Task. 1 LP2.4, I will know: 25/11/24 - (WK 2)	Key Vocabulary	Homework
toms by atomic and ionic radius; ends in electronegativity, ionisation energy, electron affinity, melting and boiling points.	oxidation	Revision for assessment.
1 LP2.5, I will know: 02/12/24 - (WK 1)	Key Vocabulary	Homework
e products of reactions of metals with oxygen, water, hydrochloric and sulphuric acid; ny strengths and areas for development for my learning so far.	reactivity	Exam practice on reactivity and trends
1 LP2.6, I will know: 09/12/24 - (WK 2)	Key Vocabulary	Homework
netals in order of reactivity and explain the trends; ow to write half equations for oxidation and reduction reactions and LINK to the oxidative states of transition metal ions.	displacement	Exam questions on displacement.
xtended Task. 1 LP2.7, I will know: 16/12/24 - (WK 1)	Key Vocabulary	Homework
isplacement reactions in metals and halogens; scillations, periods, amplitude, wavelength and frequency using graphical representations of wave formation.	diffraction	Exam questions on waves.
esources to support learning:		
nowledge organiser. ttps://www.youtube.com/watch?v=vkdmZb4cqmw. Knowledge organiser, licrosoft TEAMS		
FET Award Challenge for this Learning Programme:		
upport with school STEM Club.		