Year 13 Applied Science SMR
Learning Programme 2

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.

What will I be learning about in this Learning Programme?
You are learning about how to process and present data as well as how to interpret and make comments on significance.

Where have I seen this learning before?
You will have drawn graphs and tables through school and you will have processed data in maths and Science.

What could I use it for?
You will use this again in all BSc (Hons) degrees and in various apprenticeships.

Literacy:
• Capital letters must be used at the start of sentences and for the first letter of proper nouns
• Full stops must be used at the end of a 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 be spelled correctly
• Key words must be spelled correctly

		Key Vocabulary	Homework
In LP2.1, I will know:	**21/10/24 - (WK 2)**		
a normal distribution and use and interpret error bars; how to carry out the t-test to conclude on a set of data.		distribution	t-test calculations.
In LP2.2, I will know:	**04/11/24 - (WK 1)**		
how to carry out the chi-squared test to conclude on a set of data; how to describe correlations from graphs and be able to convert units to give answers in correct SI units.		significance	chi-squared calculations.
LP2 RLW, I will:	**11/11/24 - (WK 2)**		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		review	Review task.
In LP2.3, I will know:	**18/11/24 - (WK 1)**		
how to use standard form in answers and calculate percentage error of measuring equipment; the correct way to display results based on the type of data. Extended Task.		critical value	Standard form practice.
In LP2.4, I will know:	**25/11/24 - (WK 2)**		
how to complete an assessment in this unit to review my learning.		assessment	Revision.
In LP2.5, I will know:	**02/12/24 - (WK 1)**		
how to analyse and interpret different types of data; how to evaluate results and suggest improvements.		quantitative	Graph practice.
In LP2.6, I will know:	**09/12/24 - (WK 2)**		
the effect of temperature on resistance; what specific heat capacity is and how to calculate it. Extended Task.		resistance	Questions on specific heat capacity.
In LP2.7, I will know:	**16/12/24 - (WK 1)**		
how to use specific heat capacity to calculate the energy and power supplied; the specific heat capacity investigation.		specific heat capacity	Calculations on specific heat capacity.

PRT Task 1 (beside LP2.4)

PRT Task 2 (beside LP2.7)

Resources to support learning:
https://www.elizabethan.notts.sch.uk/attachments/download.asp?file=95&type=pdf

FFET Award Challenge for this Learning Programme:
Help out in STEM club to receive FFET awards.