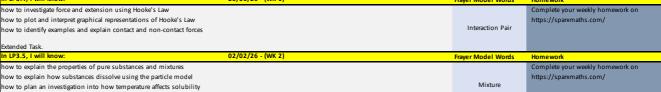




Year 7 Science		
Learning Programme 3		
The LORIC skill focus for his LP is: RESILIENCE		Literacy Non-Negotiables:
The values for this LP are COMPASSION and HONESTY		Capital letters must be used at the start of
Respect - treat others how you would wish to be treated yourself.		sentences and for the first letter of proper
Justice - our College rules are fair and reasonable		nouns
		<ul> <li>Full stops must be used at the end of a</li> </ul>
What will I be learning about in this Learning Programme?		sentence
In KS3, pupils studying forces leam about different types of forces, including gravity, and explore how they affect motion, as well as investigate relationshi	os such as Hooke's Law.	Question marks must be used at the end of
In separating mixtures, they explore pure substances, mixtures and solutions, and develop practical skills in filtration, evaporation, distillation and chromatography.		a question
	,	<ul> <li>Apostrophes should only be used for</li> </ul>
Where have I seen this learning before?		possession or omission
In Key Stage 1, pupils have explored simple material properties and basic forces including push and pull. In Key Stage 2, they develop this further by learn	ing about mixtures	<ul> <li>Days of the week and months must be</li> </ul>
solutions, and separation methods such as filtering, sieving, evaporation, and using magnets, alongside deeper study of forces including gravity, friction, a	-	spelled correctly
and some introductory simple machines.	an and water resistance,	<ul> <li>Key words must be spelled correctly</li> </ul>
		<ul> <li>Vocabulary to be taught using the Frayer</li> </ul>
What could I use it for?		model
Both of these topics will be explored at a deeper level at GCSE. Beyond specialist careers, both topics also support everyday problem-solving such as choose		
understanding how objects move, using simple machines, or separating materials safely and efficiently. Overall, these foundational concepts support sciences	ntific literacy, practical	
decision-making, and many future pathways in STEM.		
In LP3.1, I will know: 05/01/26 - (WK 2)	Frayer Model Words	Homework
how to describe what is meant by a force and an interaction pair.		
		Complete your weekly homework on
how to describe and explain the different types of forces.	Newton meter	Complete your weekly homework on https://sparxmaths.com/
	Newton meter	
how to describe and explain the different types of forces.  how to investigate how surface type affects the frictional force acting on a moving object - IGNITION		https://sparxmaths.com/
how to describe and explain the different types of forces.  how to investigate how surface type affects the frictional force acting on a moving object - IGNITION  In LP3.2, I will know:  12/01/26 - (WK 1)	Newton meter  Frayer Model Words	https://spanxmaths.com/
how to describe and explain the different types of forces.  how to investigate how surface type affects the frictional force acting on a moving object - IGNITION  In LP3.2, I will know: 12/01/26 - (WK 1)  how to analyse results from investigating how surface type affects the frictional force on a moving object.		https://sparxmaths.com/  Homework  Complete your weekly homework on
how to describe and explain the different types of forces. how to investigate how surface type affects the frictional force acting on a moving object - IGNITION  In LP3.2, I will know:  12/01/26 - (WK 1) how to analyse results from investigating how surface type affects the frictional force on a moving object. how to understand how area and shape affect drag.	Frayer Model Words	https://spanxmaths.com/
how to describe and explain the different types of forces.  how to investigate how surface type affects the frictional force acting on a moving object - IGNITION  In LP3.2, I will know: 12/01/26 - (WK 1)  how to analyse results from investigating how surface type affects the frictional force on a moving object.		https://sparxmaths.com/  Homework  Complete your weekly homework on
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how to describe and explain the different types of forces. how to investigate how surface type affects the frictional force acting on a moving object - IGNITION  In LP3.2, I will know:  12/01/26 - (WK 1) how to analyse results from investigating how surface type affects the frictional force on a moving object. how to understand how area and shape affect drag. how to explain how friction and drag forces can be reduced.  In LP3.3, I will know:  19/01/26 - (WK 2)	Frayer Model Words  Friction  Frayer Model Words	https://sparxmaths.com/  Homework  Complete your weekly homework on https://sparxmaths.com/  Homework
how to describe and explain the different types of forces. how to investigate how surface type affects the frictional force acting on a moving object - IGNITION  In LP3.2, I will know:  12/01/26 - (WK 1) how to analyse results from investigating how surface type affects the frictional force on a moving object. how to understand how area and shape affect drag, how to explain how friction and drag forces can be reduced.  In LP3.3, I will know:  19/01/26 - (WK 2) how to understand the force of gravity and calculate weight.	Frayer Model Words Friction	https://sparxmaths.com/  Homework  Complete your weekly homework on https://sparxmaths.com/  Homework  Complete your weekly homework on
how to describe and explain the different types of forces.  how to investigate how surface type affects the frictional force acting on a moving object - IGNITION  In LP3.2, I will know:  12/01/26 - (WK 1)  how to analyse results from investigating how surface type affects the frictional force on a moving object.  how to understand how area and shape affect drag.  how to explain how friction and drag forces can be reduced.  In LP3.3, I will know:  19/01/26 - (WK 2)  how to understand the force of gravity and calculate weight.  how to describe how forces deform objects and what is meant by a 'linear relationship'	Frayer Model Words  Friction  Frayer Model Words	https://sparxmaths.com/  Homework  Complete your weekly homework on https://sparxmaths.com/  Homework  Complete your weekly homework on
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how to describe and explain the different types of forces. how to investigate how surface type affects the frictional force acting on a moving object - IGNITION  In LP3.2, I will know:  12/01/26 - (WK 1) how to analyse results from investigating how surface type affects the frictional force on a moving object. how to understand how area and shape affect drag. how to explain how friction and drag forces can be reduced.  In LP3.3, I will know:  19/01/26 - (WK 2) how to understand the force of gravity and calculate weight. how to describe how forces deform objects and what is meant by a 'linear relationship' how to plan a practical investigation looking at Hooke's Law  In LP3.4, I will know:  26/01/26 - (WK 1) how to investigate force and extension using Hooke's Law	Frayer Model Words  Friction  Frayer Model Words  Deformation	https://sparkmaths.com/  Home work  Complete your weekly homework on https://sparkmaths.com/  Home work  Complete your weekly homework on https://sparkmaths.com/  Home work  Complete your weekly homework on on https://sparkmaths.com/





how to investigate how temperature affects solubility

Mixture 09/02/26 - (WK 1)

how to analyse data collected and create a solubility curve how to separate mixtures using filtration

Complete your weekly homework on https://sparxmaths.com/ Solvent

Complete your weekly homework on

eview my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge. now to investigate why evaporation and distillation works to separate a particular mixture

https://sparxmaths.com/ Complete your weekly homework on

Frayer Model Words

ow to investigate and describe how chromatography separates substances w to complete an independent assessment and PRT to demonstrate learning

https://sparxmaths.com/ Distillation

erboodle, Sparx Science, BBC Bitesize

FET Award Challenge for this Learning Programme:

reate a fact sheet explaining methods used to separate mixtures, including how and where they are used in everyday life and industry.