The Ellesmere Port



Year 12 Mathematics SMV Learning Programme 5 The LORIC skill focus for his LP is: COMMUNICATION. Literacy: Capital letters must be used at the start The Moral Virtues focus for this LP are: COURAGE and HUMILITY. of sentences and for the first letter of Courage - Acting with bravery and overcoming fears. proper nouns Humility - Having a modest view of oneself. Full stops must be used at the end of a What will I be learning about in this Learning Programme? sentence In LP5 I will be learning about algebraic and partial fractions, variable accelerations and moments. Question marks must be used at the end of a question Apostrophes should only be used for possession or omission Where have I seen this learning before? Days of the week and months must be Year 12: Resolving forces, differentiation and integration. spelled correctly Key words must be spelled correctly What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to solve problems involving forces and moments. I will also learn how to use polynomial division and partial fractions to solve equations involving fractions. 13/05/24 - (WK 1) 1 P 5.1. how to use proof by contradiction; Proof how to manipulate algebraic fractions. Contradiction n LP5.2. I will l 20/05/24 - (WK 2) how to manipulate partial fractions; Partial Fractions now to use algebraic division; now to write improper fractions as partial fractions. Divisor 03/06/24 - (WK 1) n LP5.3. I will ow to solve variable acceleration problems using differentiation; Variable Acceleration ow to solve variable acceleration problems using integration. Acceleration Extended Task. n LP5.4. I will k 10/06/24 - (WK 2) v Vr vork how to solve problems involving moments; Moments how to solve problems involving equilibrium. Equilibrium 17/06/24 - (WK 1 n LP5.5, I will k how to solve problems involving tilting; Rods how to solve problems involving non-uniformed rods. Non-uniformed n LP5.6, I will k 24/06/24 - (WK 2 ow to solve lamina problems. Laminas Lamina Extended Task. n LP5.7. I will k 01/07/24 - (WK 1) Key Vocabular ework how to resolve forces; Friction how to solve problems involving friction. Friction n LP5.8. I will k 08/07/24 - (WK 2) ev Vocabula how to solve problems involving friction. Resolving Forces Resultant Use your knowledge organisers to support with revision and recall. Here are some online resources to further support you in your Mathematics revision beyond the classroom. All weekly homework tasks area based on the exercises from the book. In addition to homework. Some useful we<mark>bsi</mark>tes are listed below: Online Resource for homework and exam practice: https://www.drfrostmaths.com/ Topic based exam questions - https://www.mathsgenie.co.uk/ FET Award Challenge for this Learning Complete an AS Paper as part of your revision