MADANI GIRLS SCHOOL / DISCOVERY / **TRIPLE SCIENCE** / 2024-25

2024-2025	AUTUMN			SPRING			SUMMER					
	HT1			HT2		HT3		HT4		HT5		HT6	
7													
8													
9													
10	**Area of study:** B1 Cell-level systems Key concepts: DNA, enzymes, respiration, photosynthesis Assessment: End of module test		**Area of study:** C1 Particles Key concepts: The particle model and atomic structure Assessment: End of module test	**Area of study:** P1 Matter Key concepts: The particle model and changes of state Assessment: End of module test		**Area of study:** B2 Scaling up Key concepts: Supplying the cell; challenges of size Assessment: End of module test	**Area of study:** C2 Elements compounds and mixtures Key concepts: Purity, separating mixtures, bonding Assessment: End of module test	**Area of study:** P2 forces Key concepts: Motion, Newton's laws and forces in action; calculations Assessment: End of module test; mock exam		**Area of study:** B3 Organism-level systems Key concepts: Nervous system, endocrine system, homeostasis Assessment: End of module test		**Area of study:** C3 Chemical reactions Key concepts: Formulae, quantitative chemistry, energetics, redox, pH, electrolysis Assessment: End of module test	
11	**Area of study:** C3 Chemical reactions Key concepts: Quantitative, energetics, redox, electrolysis Assessment: End of module test; snapshot assessment	**Area of study:** P3 Electricity and electric fields Key concepts: Electric circuits, electric fields, uses of electricity Assessment: End of module test	**Area of study:** P4 Magnetism and magnetic fields Key concepts: Magnetism, magnetic fields, uses of magnetism Assessment: End of module test	**Area of study:** B4 Community-level systems Key concepts: Ecosystems and nutrient cycles Assessment: End of module test	**Area of study:** C4 Predicting and Identifying reactions and products Key concepts: Trends in groups; reactivity Assessment: End of module test; mock exam	**Area of study:** B5 Genes, Inheritance and selection Key concepts: Variation, meiosis, natural selection and evolution Assessment: End of module test	**Area of study:** C5 Monitoring and controlling reactions Key concepts: Controlling rates of reaction, equilibria Assessment: End of module test	**Area of study:** P5 Wave behaviour P6 radioactivity Key concepts: Wave behaviour, interaction and EM spectrum Assessment: End of module test; mock exam	**Area of study:** C6 Global Challenges Triple content Key concepts: Industrial processes, materials, organic chem, the atmosphere Assessment End of module test	**Area of study:** B6 Global Challenges Triple content Key concepts: Monitoring the environment, feeding the population Assessment: End of module test	**Area of study:** P7 Energy and P8 Triple content Key concepts: Work done, power and efficiency; Beyond Earth Assessment: End of module test	**Students no longer on roll**