Map of the unit: Medicines by Design

Laboratory-based practical work is indicated by (P), activities involving IT skills are indicated by (IT) and those developing study skills by (S).

ACTIVITIES		CHEMICAL STORYLINE		CHEMICAL IDEAS	
MD1.1 MD1.2	Aldehydes and ketones (P) BAC determination using gas-liquid chromatography	MD1	ALCOHOL IN THE BODY	Note	It is intended that the study of these Chemical Ideas should run in parallel with the Storyline throughout this unit.
				13.7 14.1	Aldehydes and ketones
				14.2	Summary of organic reactions
				7.6	Chromatography (revision)
				6.4	Infrared spectroscopy (revision)
		MD2	THE DRUG ACTION OF ETHANOL	13.9	Amino acids (revision)
MD3.1	Making a toolkit of organic reactions	MD3	MEDICINES THAT SEND MESSAGES TO NERVES	6.5	Mass spectrometry (revision)
MD3.2	Classifying reactions			6.6	Nuclear magnetic resonance
MD3.3	Using the toolkit to synthesise medicines				
MD3.4	Manufacturing salbutamol (Optional extension)			6.8	Ultraviolet and visible spectroscopy (revision)
		MD4	ENZYME INHIBITORS AS MEDICINES		
MD5.1	Making and testing a penicillin (P)	MD5	TARGETTING BACTERIA		
MD5.2	A closer look at the structure of penicillins (Optional extension)				
MD6	Check your notes on Medicines by Design (S)	MD6	SUMMARY		