

Year Plan for fyisk-kemi



Topic	Week number
No lessons	32
Change	
Intro to subject. States of matter vocab. Physical change	33
Chemical change and atomic model	34
Periodic system intro. Using it to find number of protons etc... 2,8,8, rule	35
Periodic system. Periods and hovedgrupper	36
Ionic bonding	37
Electrolysis	38
Speed of reaction. Introduction of scientific process	39
Speed of reaction. Introduction of scientific process	40
Test	41
	42 half term
Acids and Bases	
Acids and Bases. Making indicator	43

Theory: acids and bases. pH value and define	44
Neutralisation and making salts	45
Relationship between concentration and pH, and uses	46
Test	47
	48 emneuge
Salts	
Define, and properties (crystal making, conductivity etc...)	49
Theory: naming salts, and electrolysis	50
Uses, theory and recap	51
Test	2
Metals and ions	
Define, and ionic bonding Flame tests	3
Properties	4
Bonding: intor to covalent bonding	5
Recap and test	6
Holiday	7
Magnetism	
Field lines Making a magnet	8
Theory: a model for magnetism. Experiments linked to this	9
Making an electromagnet	10
Research electromagnetism. Focus on hypothesis, and process	11
Research electromagnetism. Focus on hypothesis, and process	12
Cycles in Nature	
Cycles in nature Recap on states of matter and water cycle.	13
Carbon cycle	14
Carbon cycle	15
Nitrogen Cycle	16
Nitrogen Cycle	17
The Earth and the Universe	
The Earth and the Universe Early models Copernicus Kepler Newton	18

Early models Copernicus Kepler Newton	19
Project on planets and objects in space and History of Universe and Earth	20
Project on planets and objects in space and History of Universe and Earth	21
Energy Types, define	22
Changes and experiments	23
Laws of Energy, efficiency as a concept	24
Heat: conduction, radiation, convection	25
Albedo effect	26