

Week Start	Content Description	Assessment	Events
September			
3rd	Working Scientifically Students will learn basic concepts of lab signs and safety protocols during practical sessions in labs and how to use scientific thinking during experiments	Summative: questioning, lab work (Yeast), practice worksheets with lab tools/safety signs	
10 th	Adaptation and Inheritance Students will learn how animals and plants compete for resources and how they adapt to their environments and environmental changes	Project: choosing a living organism to discuss his adaptation in their environment (presentations using charts or PPT)	10-14 th CEM Assessments (7,9 & 11) 14 th Target Grades Deadline (8,10, 12) 14 th Year 7 Picnic
17 th	Adaptation and Inheritance Students will learn how to describe how variation occurs in species and describe how characters are inherited	Worksheets Biology E.O.T exam	17-20 th CEM Assessments (7,9 & 11)
24 th	Metals & Acids Students will understand the metals react differently with different acids and will be able to explain the test of hydrogen	Lab: acid and base experiment wall poster project	28 th Prophet's Birthday - Observed
October			
1st	Metals & Acids How metals react with oxygen and water and use the reactivity series to predict reactions Metals & Acids Students will learn the displacement reaction based on the reactivity series of metals and how can we extract metals from its ores	Formative: Baseline assessment Chemistry E.O.T	4 th Swimming Gala 5 th Armed Forces Day
8 th	Motion and pressure Students will learn how to calculate speed and describe the term relative motion; they will also learn how to interpret motion graphs	Summative: Worksheets for practice Quizziz/Kahoot Lab Experiment: Ballon air pressure experiment	8 th Target Grade Deadline (7,9,11) 10 th Careers Day
15 th	Motion and pressure Students will learn how atmospheric pressure changes with height and what are the factors that affect gas pressure	Creating a mini poster describing factors affecting gas pressure	

		Physics E.O.T exam	
22 nd	Half Term Break		
29 th	Turning points in biology Describe the role of vaccines in fighting disease and how smallpox vaccine was developed and how persons develop immunity	Formative: Baseline assessment Lab: Extracting DNA from Strawberries/bananas	31 st Orange and Black Day
November			
5 th	Turning points in biology How penicillin was discovered and what is the role of antibiotics	Biology E.O.T exam	
12 th	Detection Students will describe the differences between light and electric microscope and how microscopic evidence are used by forensic scientists	Chromatography lab Work sheets	
19 th	Detection Describing the differences between biodegradable and non-biodegradable materials Students will use reactivity series to predict what metals react with oxygen	Lab: reactivity series experiment Chemistry: E.O.T Exam	AP1 Written Comments Deadline
26 th	Recap topics		
December			
3 rd	Revision		4 th First Day AP1 Exams
10 th	AP Assessment		15 th Last Day AP1 Exams
17 th	AP1 Exams feedback		22 nd Winter Break
25 th	Winter Break		
January			
1 st	Winter Break		
7 th	Electricity and Magnetism How objects can become charged and what is meant by electric field	Summative: Lab experiments (making electric circuits)	8 th First Day
14 th	Electricity and Magnetism Describe what is meant b electric current and rating of batteries	Kahoot and worksheets for practice Mini project in class (creating their own circuits)	
21 st	Electricity and Magnetism Describe the difference between series and parallel circuits	Physics E.O.T exam	25 th National Holiday
28 th	Separation techniques Students will learn differences between mixture and compound and solubility	Summative: lab experiments (separation of iron	

		and sulfur from its mixture)	
February			
4 th	Separation techniques Students will learn how to use different separating techniques to separate mixtures	Lab (separation and distillation)	
11 th	Separation techniques Students will learn how to use evaporation, to separate mixtures and how distillation works	Chemistry E.O.T Exams	
18 th	New technology in biology Students will learn about genes and how genetic cross happens and what is meant by genetic inherited disorders	Formative: Baseline Assessment	21-22 nd Half Term
25 th	New technology in biology Describe the process of selective breeding and its advantage, how genetic engineering works.	Summative: Mini project (DNA/Genes/inherited Disorders)	
March (10th Ramadan Starts)			
3 rd	New technology in biology Students will learn what is meant by cloning and what are the advantages and disadvantages of cloning	Biology E.O.T	
10 th	Energy Students will understand the energy values of food and fuel and compare between them, state between energy and temperature	Formative: Baseline assessment	
17 th	Energy Describe how energy is transferred between particles and how insulators reduce energy transfers	Lab: testing energy/ different temperatures Physics E.O.T.	
24 th	Energy Explain the difference between renewable and nonrenewable, explain the difference between energy and power	Physics E.O.T.	
April			
31 st	New Technology in Chemistry Students will be able to explain what nanoparticles are	Class project Quiz for practice	
7 th			10-11 th Eid Holiday
14 th	New Technology in Chemistry Students will be able to explain what the properties of nanoparticles are	Simulation lab exploring the nanoparticles Class mini project (hybrid cars vs diesel cars)	
21 st	New Technology in chemistry	Work sheets Chemistry E.O.T.	25 th Spring Break

	Identifying catalysts, Applications of nanoparticles, understanding cars pros and cons		
28 th	Spring Break		
May			
5 th	Science fair preparations		7 th Start of Term 2
12 th	Science fair		
19 th	End of Year Revision		
26 th	End of Year Revision		
June			
2 nd	EOY exams		6 th End of year assembly
9 th	EOY exams		12 th Last day for Students 13 th Last day for Teachers
End of Year			
<u>Additional Notes:</u>			