

NAME OF THE DEPARTMENT: SCIENCE															SYLLABUS BREAK UP 2020-21 -AJI														
Name of the Subject Teacher:- Parvathy Anish															Grade:- 9														
MONTH	WEEK	Unit/Section	No of Periods	Topic Break Down / for Periods/Learning objectives / progression	Learning Outcomes/ Skills acquired	Activities (Formative assessment tasks, projects, Visits) INCLUDING VIRTUAL LEARNING	Teaching Aids / Reference/ Resources	Competencies and Values	MY IDENTITY	Cross curricular link	Art Integration	Artificial Intelligence	Critical Thinking Questins- Descriptive	Critical Thinking Questions- Objective(ASSET BASED)															
April	4	Matter in our surroundings	8	To define matter and to compare the properties of the three different states of matter	To list the properties of solid ,liquid and gas	To observe the process of sublimation	ammonium chloride,salt ,beaker,burner,cotton																						
				To compare latent heat of fusion and latent heat of To define epeporation and the factors affecting the rate of evaporation	To compare latent heat of fusion and To list the factors affecting the rate of evaporation	To convert the given temperature to kelvin scale and																							
<p>Learning Mat https://games.legendsoflearning.com/games/WyJnYW1lcylsMjYzMY0= https://games.legendsoflearning.com/games/WyJnYW1lcylsN</p>																													
May 18 th - May 27 th UNIT TEST 1 Examinations																													
May	4	Is matter around us Pure	8	To compare a pure substance and a mixture	To compare the properties of suspension and a colloid	To separate two immiscible liquids	oil,water ,separating funnel,stand																						
				To compare the different types of separation techniques used for To compare methods of purification ofwater and air from their To compare the difference between elements ,compound and molecules.	To list the properties of a mixture and a colloid	To separate dyne and water from the ink	ink,watch glass,burner,beaker,water																						
<p>Respect Art Three dimensional art PPT to show the different separtion techniques. Mine craft https://games.legendsoflearning.com/games/WyJnYW1lcylsN</p>																													
June	4																												
June 15h -June 24th PA- 1																													
SUMMER VACATION																													
July																													
August																													
September	4	Atoms and molecules	8	To compare the law of conservation of mass and law of To explain and illustrate the structure of an atom .	To define an atom,element,compound	To illustrate the symbols created by John Dalton	Chart,colours																						
				To deduce the molecular mass and molar mass of the given	To list the steps involved in deducing To solve the numericals.	To calculate the molecular mass and molar mass.	Task Sheet																						
<p>Honesty Community Math September 14 th-26 th Half Yearly Examinations</p>																													
October	4	Structure of the atom	8	To compare the three different structure of atoms	Learning about atoms, molecules and elements and compounds	To illustrate rutherford,bohr and plum pudding model to show the structure of atom.																							
				To compare the advantages and disadvantages of these models To compare atomic number and mass number with suitable To compare isotopes and isobars with suitable examples	Differentiating atoms, molecules and To deduce the chemical formula of To illustrate the structure of atom by using Bohr																								
<p>Community Modelling Making-Plum pudding Model https://games.legendsoflearning.com/games/WyJnYW1lcylsN Mine craft https://games.legendsoflearning.com/games/WyJnYW1lcylsN</p>																													
<p>Respect Culture Math/Art</p>																													

