

D.A.V. Public School
Sector – 3 Dhurwa Ranchi – 4

Science Syllabus 2019-2020

Class VII

Prescribed Books:

- Science time, Turtle book Pvt Ltd.

Months	No of working days.	Unit/Chapters	Subject/Topic	Exam/Text portion.
April	24	Chapter-1 Nutrition in plants. Chapter-3 Fibre to fabric. Chapter-4 Heat and temperature.	*What is nutrition. *Nutrition in green plants-Autotrophic nutrition. *Nutrition in non green plants. * Recycling of nutrients in soil. *Clothes for different climates. * Kinds of fibres and their sources. * Life cycle of a silk worm. *Concept of hot and cold. *Measuring temperature.. *Transfers of heat. *Prevention of heat loss.	
May	15	Chapter-2 Nutrition in animals.	*Process of nutrition. *Digestion in humans. *Digestion in herbivores. *Digestion in frog, amoeba, hydra and insects.	
June	12	Chapter-5 Acids bases and salts.	*Acids-classification, properties, uses. * Bases – classification properties, uses. * Salts-	

			types,properties,uses. *Indicators. *Neutralisation.	PT-1 Portion. Physics-chap-4 Chemistry-chap-3 and 5 Biology-chap-1 and 2.
	25	Chapter-7 Weather and climate. Chapter-8 Wind thunderstorms and cyclones.	*Weather and its forecast. *Factors affecting weather condition. *Climate. *Factors affecting climate. *Climate and adaptation. * Migration and hibernation. *Properties of air. *Wind. *Natural calamities. *Cyclone forecasting and warning. Revision for (P.T-1)	Half yearly Portion P.T-1+ Physics-chap-4 and 8 Chemistry-Chap-3,5and 6 Biology-Chap-1,2,7 and 9.
August	24	Chapter-4 Soil	*Soil composition. *Soil profile. *Classification of soil. *Properties of soil. *Soil and crop production. *Soil erosion and conservation. *Soil pollution. (Revision for Half yearly exam.)	
September	13	Chapter-10 Respiration.	*What is respiration. *Respiration in plants. *Respiration in animals. *The human respiratory system. *types of respiration.	
October	18	Chapter-11	*Transportation in	

		<p>Transportation of substances in animals and plants.</p> <p>Chapter-16 Water a natural resources.</p>	<p>plants . *Transportation in animals. *Transportation in humans. * Excretion. * Excretion in plants ,animals and humans.</p> <p>*Water cycle. *Renewable and non renewable resources. *Water a renewable natural resources. * Scarcity of water. *Conservation of water.</p> <p>(Revision for P.T-2)</p>	<p>P.T-2 Portion Physics- Chap-8 and 13 Chemistry- Chap -6 and 16 Biology – chap-7,9 and 10</p>
November	22	<p>Chapter-12 Reproduction in plants.</p> <p>Chapter-14 Electric current, electric circuit and electromagnet.</p>	<p>*Three ways of plant reproduction. *A sexual reproduction. *Vegetative reproduction. *Sexual reproduction in plants.</p> <p>*Electric current. *Electric circuit and its components. *Potential difference. * circuit diagram. * Heating effect of electric current. *Magnetic effect of electric current. *Electric bell.</p>	
December	18	Chapter-15 Light	<p>*Rectilinear propagation of light. *Reflection of light. * Mirrors and</p>	

		Chapter-17 Forests.	<p>images. *Spherical mirrors. *Lens and its uses. *Spectrum.</p> <p>*The characteristics of forest. *Forest and its uses. *Interdependence of plants and animals. *Food chain and web *Balance in nature.</p>	P.T-3 Portion Physics-Chap -14 and 15 Chemistry- Chap-18 and 19. Biology- Chap-11,12 and 17
January	26	<p>Chapter-18 Waste water management.</p> <p>Chapter-19 Structure of matter .</p>	<p>*Waste water and its various sources. *Importance of drainage and sanitation. *Sewage system. *Alternative method of sewage disposal.</p> <p>*What is matter. *Elements ,compounds and mixtures. *Symbols. *Writing the formula. *Chemical equations.</p> <p>Revision for P.T-3 and Annual Exam.</p>	Annual Exam Portion. Chapter-1 to 19