

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

Science Syllabus 2019-2020

Class VIII

Prescribed Books:

➤ Science time, Turtle book Pvt Ltd.

Month's	No of working days	Unit/chapter	Subject/Topic	Exam/Text portion
April	24	Chapter-1 Crop production.  Chapter-3 Synthetic fibres and plastics.	*Crop. *Steps involved in crop production. *Increasing crop yield *Food from animals  *Natural fibres. *Synthetic fibres. *Advantages of synthetic fibres. *Disadvantages of synthetic fibres. .	
May	15	Chapter-4 Metals and non-metals.	*Occurrence in nature. *Physical properties of metals and non-metals. *Chemical properties of metal and non-metals. *Displacement reaction and the reactivity series. *Uses of common metals and non-metals. *Noble metals. *Corrosion of metals. *Rusting of iron. *Metal alloys.	

		<b>Chapter-11 Force and pressure.</b>	<ul style="list-style-type: none"> <li>*Force.</li> <li>*Pressure.</li> <li>*Application of force and pressure.</li> </ul>	
<b>June</b>	<b>12</b>	<b>Chapter-2 Microorganism.</b>	<ul style="list-style-type: none"> <li>*Microorganisms.</li> <li>*The microscope.</li> <li>*Types of microorganism.</li> <li>*Useful microorganism.</li> <li>*Harmful microbes.</li> <li>Causative agents.</li> <li>*Spoilt food.</li> <li>*Food preservation.</li> </ul>	<b>P.T-1 Portion. Physics- Chap-11,12 Chemistry- Chap- 3 Biology- chap- 1 and 2</b>
<b>July</b>	<b>25</b>	<b>Chapter-12 Friction.</b>  <b>Chapter-13 Sound.</b>	<ul style="list-style-type: none"> <li>*Friction.</li> <li>*Causes of friction.</li> <li>*types of friction.</li> <li>*Advantages of friction.</li> <li> </li> <li>*Sound and vibration.</li> <li>*How we can hear a sound.</li> <li>*Characteristics of sound waves.</li> <li>*Characteristics of sound.</li> <li>* Music and musical instruments.</li> <li> </li> <li>(Revision for P.T-1)</li> </ul>	<b>Half Yearly Portion. P.T-1 + Physics-Chap-13 Chemistry- Chap-4 Biology-chap-7</b>
<b>August</b>	<b>24</b>	<b>Chapter-7 Conservation of plants and animals.</b>	<ul style="list-style-type: none"> <li>*Various terms used in biodiversity.</li> <li>*Importance of forests.</li> <li>*Effects of</li> </ul>	

			<p><b>deforestation.</b>  <b>*Conservation.</b>  <b>*Red data book.</b></p> <p>(Revision for half yearly exam)</p>	
September	13	Chapter-5 Combustion and flame	<p><b>*Combustion.</b>  <b>*Controlling fire.</b>  <b>*flame</b></p>	
October	18	Chapter-8 The unit of life cell.  Chapter-14 Chemical effect of electric current.	<p><b>*Discovery of cell.</b>  <b>*The cell theory.</b>  <b>*Cells are different.</b>  <b>*prokaryotic and eukaryotic cell.</b>  <b>*Structure of cell.</b>  <b>*Plant and animal cells.</b>  <b>*Growth and cell division.</b></p> <p><b>*Electric current.</b>  <b>*Electrolysis.</b>  <b>*Electroplating.</b>  <b>*Galvanic cell.</b></p> <p>(Revision for P.T-2)</p>	P.T-2 Portion. Physics-Chap-14,15 Chemistry-Chap-6 Biology-chap-7 and 8.
November	22	Chapter-9 Adolescence  Chapter-15 Light  Chapter-10 Reproduction.	<p><b>*The endocrine system.</b>  <b>*Adolescence and puberty.</b>  <b>*Personal hygiene in adolescents.</b>  <b>*Drug abuse.</b>  <b>*Importance of sex education.</b></p> <p><b>*Reflection.</b>  <b>*Laws of reflection.</b>  <b>*Image formed by plane mirrors and their uses.</b></p> <p><b>*Reproduction.</b></p>	

			<ul style="list-style-type: none"> <li>*Asexual reproduction.</li> <li>*Sexual reproduction.</li> <li>*Viviparous and oviparous animals.</li> <li>*Metamorphosis.</li> <li>*Gender discrimination.</li> </ul>	
December	18	<p>Chp-6 Fossil fuels.</p> <p>Chapter-16 Refraction and dispersion of light.</p>	<ul style="list-style-type: none"> <li>*Introduction.</li> <li>*Fuels.</li> <li>*Characteristics of fuels.</li> <li>*Fossil fuels.</li> <li>*Energy crisis.</li> <li>*Alternative for fossil fuels.</li> <li>*Refraction of light.</li> <li>*Dispersion.</li> <li>*Lenses.</li> <li>*The human eye.</li> <li>*Braille.</li> </ul>	<p>P.T-3 Portion. Physics –chap-16 and 18. Chemistry- Chap-17 Biology-Chap-9 and 10.</p>
January	26	<p>Chapter-17 Pollution</p> <p>Chapter-18 Our universe.</p>	<ul style="list-style-type: none"> <li>*Air pollution.</li> <li>*Water pollution.</li> <li>*Noise pollution.</li> <li>*Universe.</li> <li>*Galaxies, Stars, Planets.</li> <li>*Constellations</li> <li>*Our solar system.</li> <li>*Satellites.</li> </ul>	<p>Annual Exam Portion- Chapter-1 to 18.</p>