

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2020-21

## GENERAL SCIENCE: CLASS - VIII

Science Fact File

Book - 3

Academic Week	Unit/Chapter & Topic	Personality Grooming Activities
1	<b>Ice-Breaking at the Session Commencement</b> [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]	Introduction of students with his/her classmates, Teachers and School environment
	(Pages 2-8) <b>Unit 1 WORK AND ENERGY</b> work, energy and work, potential energy, kinetic energy, radiated energy	Spring Day
2	(Pages 9-15) <b>Unit 1 (contd)</b> sound energy, electrical energy, converting energy, energy converters, test yourself, exercise	<u>Two minute talk by 2-3 children in each class daily revealing their talents and building their confidence</u>
3	(Pages 16-22) <b>Unit 2 REPRODUCTION IN PLANTS</b> pollination, fertilization, seeds and fruits, germination,	<u>Talk on National Security</u>
4	(Pages 22-29) <b>Unit 2 (contd)</b> cloning in plants, micropropagation and tissue culture, exercise	<u>Importance of Ramadan</u>
5	(Pages 30-35) <b>Unit 3 REACTION OF METALS</b> understanding the properties of metals, how do metals react, the reactivity series,	<u>Importance of Labour Day</u>
6	(Pages 35-37) <b>Unit 3 (contd)</b> displacement reactions-making use of the reactivity series, metals from the earth	<u>Celebration of Mother's Day</u>
7	(Pages 38-40) <b>Unit 3 (contd)</b> Extracting metals from their ores, corrosion	
8	(Pages 40-45) <b>Unit 3 (contd)</b> Beating corrosion using alloys, exercise	<u>Teacher will guide the students to develop their personal diaries/scrap book/observations to record their summer vacation activities (no specific format or layout)</u> <u>Importance of Eid ulFitar</u>
9	<b>REVISION OF ALL CORE CONCEPTS</b>	
10	(Pages 46-50) <b>Unit 4 SPEEDING UP</b> what do we mean by speed? Speed-time graphs,	<u>Sharing the Summer Vacation diaries etc.</u>
11	(Pages 51-53) <b>Unit 4 (contd)</b> changing speed and direction, acceleration,	<u>Celebration of Independence Day</u>

12	(Pages 53-54) <b>Unit 4 (contd)</b> gravity, falling, and air resistance	
13	(Pages 55-59) <b>Unit 4 (contd)</b> exercise	
14	(Pages 60-64) <b>Unit 5 WHERE DOES OUR FOOD COME FROM?</b> fertilizers, too much fertilizer, competition. Only overview to be given. The content is <b>Non-Examinable</b> .	<u>Defence Day Celebration</u> <u>Importance of Ashora-e-Moharram</u>
15	(Pages 65-75) <b>Unit 5 (contd)</b> knocking out the competition, DDT-a bad insecticide, creating perfect conditions for plant growth, exercise. Only overview to be given. The content is <b>Non-Examinable</b> .	
16	(Pages 76-78) <b>Unit 6 WATER</b> the water cycle, water pollution,	
17	(Pages 79-83) <b>Unit 6 (contd)</b> sewage treatment, a clean water supply, uses of water	
18	(Pages 84-87) <b>Unit 6 (contd)</b> exercise	
19	<b>REVISION OF ALL CORE CONCEPTS</b>	<u>Celebration of World Teacher's Day</u>
20 – 21	<b>MID-TERM EXAM (PLAIN AREAS)</b>	
22	<b>REVISION</b> (Pages 88-93) <b>Unit 7 ELECTRICITY AND ENERGY</b> energy arrows, power supplies and voltage, resistance, controlling the current	<u>Importance of Rabi-ul Awal and Seert-un-Nabi</u>
23	(Pages 93-97) <b>Unit 7 (contd)</b> electricity in the home, safety and electricity, choosing fuses,	
24	(Pages 98-101) <b>Unit 7 (contd)</b> paying for electricity, energy for everyday use	<u>Celebrations of Iqbal's Day</u>
25	(Pages 102-107) <b>Unit 7 (contd)</b> Energy production: the bad news, exercise	
26	(Pages 108-115) <b>Unit 8 MORE ORGAN SYSTEMS</b> The nervous system, the hormones system	
27	(Pages 116-121) <b>Unit 8 (contd)</b> the human excretory system, exercise	
28	(Pages 122-125) <b>Unit 9 SALTS</b> salts can be formed by several methods,	
29	(Pages 126-127) <b>Unit 9 (contd)</b> acids and metal carbonates	<u>National Resolve Day to Promote Education</u>

<b>30</b>	(Pages 128-130) <b>Unit 9 (contd)</b> acids and metal oxides, titration,	<u>Celebration of Quaid's Day</u>
<b>31</b>	(Pages 130-135) <b>Unit 9 (contd)</b> some common salts and their uses, exercise	
<b>32</b>	(Pages 136-141) <b>Unit 10 PRESSURE AND MOMENTS</b> pressure in gases, pressure in liquids	<u>Talk on Discipline, Hard work and Motivation</u>
<b>33</b>	(Pages 142-146) <b>Unit 10 (contd)</b> hydraulic machines, levers and moments, moments in balance	
<b>34</b>	(Pages 146-153) <b>Unit 10 (contd)</b> balance and stability, exercise	
<b>35</b>	(Pages 154-159) <b>Unit 11 MICROBES AND DISEASE</b> useful microbes, harmful microbes,	<u>Kashmir Day</u>
<b>36</b>	(Pages 160-167) <b>Unit 11 (contd)</b> how diseases spread, defenses against disease, exercise	
<b>37</b>	(Pages 168-183) <b>Unit 12 ENVIRONMENTAL CHEMISTRY</b> soil, looking after a vital resource, air pollutionacid rain, global warming, so what are we doing about it, exercise. Only overview to be given. The content is <b><u>Non-Examinable.</u></b>	<u>Farewell Party</u>
<b>38</b>	<b>Revision (Preferably through conceptual activities where possible)</b>	
<b>39- 40</b>	<b>ANNUAL EXAM (PLAIN AREAS)</b>	

**Note:** Teachers are strongly recommended to collect “**Guidelines for Teachers**” from the offices of the Principals/VP/HMs for an effective utilization of the syllabi breakdown. Examinationpapers will be set according to the said guidelines.