

# ST. THOMAS SCHOOL DHURWA RANCHI

## Syllabus For The Year 2021- 2022

subject- Biology

std – 8

Name of the book- Learning Elementary Biology

Publisher- Goyal Brothers Prakashan

First Term

	Month/week	Chapter no	Name of the chapters	Topic
1	1 <sup>st</sup> week (April 8-9)	1	Transport of food and minerals in plant	Transport in unicellular and in higher plants
2	2 <sup>nd</sup> week (April 12-16)			Structure and Function of xylem & phloem
3	3 <sup>rd</sup> week April 19-23)			Absorption of water by roots ,Transpiration, Active transport, Minerals in plants
4	4 <sup>th</sup> week April 26-30	4	Endocrine system	Types of gland, Endocrine system in human,Adolescence
5	5 <sup>th</sup> week May 3-7	5	Nervous system	Types of nerves, CNS,
6	6 <sup>th</sup> week May 10-13			Reflex action, Sense organ
7	7 <sup>th</sup> week June 14-18	6	Circulatory system	Structure of Heart, Blood group
8	8 <sup>th</sup> week June 21-25			Condition related to the functioning of the Heart,Lymphatic system
9	9 <sup>th</sup> week June 28-july 2	8	Food production Agriculture	Uses of Bacteria, commercial uses of Fungi Define-Horticulture,cash crop,Pisciculture,Sericulture,Apiculture
10	10 <sup>th</sup> week July 5-8			Revision

Second Term

Name of the Book-Concise Biology for 9

Publisher- Selina

1	1 <sup>st</sup> week July 21-23	2	Cell; The unit of life	Invention of microscope, cell theory,cell shape
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2	2 <sup>nd</sup> week July 26-30			Structure of a cell
3	3 <sup>rd</sup> week August 2-6	3	Plant and Animal tissue	Plant tissue
4	4 <sup>th</sup> week August 9-13			Animal tissue
5	5 <sup>th</sup> week August 16-20	4	The Flower	Structure of Bisexual flower
6	6 <sup>th</sup> week August 23-27			General Description of the floral parts
7	7 <sup>th</sup> week August 30-September 3	5	Pollination and Fertilization	Pollination, advantage and disadvantage of self and cross pollination
8	8 <sup>th</sup> week September 6-10			Agents of cross pollination
9	9 <sup>th</sup> week September 13-17			Fertilization
10	10 <sup>th</sup> week September 20-24			Germination of pollen grain
11	11 <sup>th</sup> & 12 <sup>th</sup> week			Revision

### Third Term

1	1 <sup>st</sup> week Nov 8-12	6	Seed	Classification & structure of seed
2	2 <sup>nd</sup> week Nov 15-19			Germination
3	3 <sup>rd</sup> week Nov 22-26	15	Hygiene	Personal and social hygiene and sanitation
4	4 <sup>th</sup> week Nov 23- Dec 3			Control of Disease carriers
5	5 <sup>th</sup> week Dec 6- 10	16	Disease-cause & control	Categories of Disease
6	6 <sup>th</sup> week Dec 13-17			Disease caused by Bacteria, Protozoa, Parasitic worm, Viral disease

<b>7</b>	<b>7<sup>th</sup> week Dec 20-22</b>	<b>17</b>	<b>Aids to Health</b>	<b>Immunity,local defence system</b>
<b>8</b>	<b>8<sup>th</sup> week Jan 3-7</b>			<b>Vaccination,immunization,Antiseptic Disinfectants,Antibiotics</b>
<b>9</b>	<b>9<sup>th</sup> week Jan 10-14</b>	<b>18</b>	<b>Health organisation</b>	<b>Red cross and WHO</b>
<b>10</b>	<b>10<sup>th</sup> week Jan 17-21</b>	<b>19</b>	<b>Waste generation &amp; management</b>	<b>Categories of waste</b>
<b>11</b>	<b>11<sup>th</sup> week Jan 24-28</b>			<b>Method of safe disposal of waste Treatment of effluents</b>
<b>12</b>	<b>12<sup>th</sup> week</b>			<b>Revision</b>