

**St Thomas School Dhurwa Ranchi – 4****Syllabus of third term (2020-2021)****Std: 10****Sub: Biology****Name of the book: Concise Biology class x (Selina publishers)**

Week/Date	Chapter No.	Chapter name	Topic and page nos.	Videos
<b>1<sup>st</sup> Week 27.10.20 to 31.10.20</b>	<b>4.</b>	<b>Absorption by roots</b>	<b>Need of water and minerals, characteristics of roots, absorption and conduction of water and minerals, Imbibition, diffusion, osmosis etc Page 37 to 41</b>	<b>Mrs. Archana Prasad (03.11.20) Tuesday</b>
<b>2<sup>nd</sup> Week 02.11.20 to 07.11.20</b>	<b>4.</b>	<b>Absorption by roots</b>	<b>Osmotic pressure, Tonicity, Active &amp; Passive transport, Turgidity and Flaccidity etc. Page no. 42 to 45</b>	<b>Ms. Sivakala Menon (10.11.20) Tuesday</b>
<b>3<sup>rd</sup> Week 09.11.20 to 13.11.20</b>	<b>4.</b>	<b>Absorption by roots</b>	<b>Turgor pressure. Root pressure, Experiments on absorption and conduction of water, Ascent of sap etc. Page no. 46 to 50</b>	
<b>4<sup>th</sup> Week 17.11.20 to 20.11.20</b>	<b>5.</b>	<b>Transpiration</b>	<b>Experiments, etc. Page no. 55 to 58 till progress check</b>	<b>Mrs. Mamta Prakash (18.11.20) Wednesday</b>
<b>5<sup>th</sup> Week 23.11.20 to 28.11.20</b>	<b>5.</b>	<b>Transpiration</b>	<b>Kind of transpiration, Stomatal regulation, Factors, adaption. Significance of transpiration etc. Page no. 58 to 61 till external factor</b>	
<b>6<sup>th</sup> Week 01.12.20 to</b>	<b>5.</b>	<b>Transpiration</b>	<b>Inrernal factor, Significance of</b>	

05.12.20			transpiration, guttation & bleeding. Page no. 61 to 64 till table 5.3	
7 <sup>th</sup> Week 07.12.20 to 12.12.20	6.	Photosynthesis	Importance of photosynthesis, Regulation of stomatal opening Page no. 68 to 72 till progress check	Ms. Sivakala Menon (08.12.20) Tuesday
8 <sup>th</sup> Week 14.12.20 to 19.12.20	6.	Photosynthesis	Adaptation in leaf to perform photosynthesis, Factors affecting photosynthesis Page no. 72 to 74	Mrs. Archana Prasad (15.12. 20) Tuesday
9 <sup>th</sup> Week 21.12.20 to 23.12.20	6.	Photosynthesis	Experiments on photosynthesis, importance of photosynthesis, Carbon cycle Page no. 74 to 77	
10 <sup>th</sup> Week 04.01.21 to 09.01.21	4 & 5	Work book	Absorption of water & Transpiration	
11 <sup>th</sup> Week 11.01.21 to 16.01.21	5 & 6	Work book	Transpiration & Photosynthesis	
12 <sup>th</sup> Week 18.01.21 to 23.01 21		Sample paper		
13 <sup>th</sup> Week 25.01.21 to 30.01.21		Sample paper		
14 <sup>th</sup> Week 01.02.21 to 06.02.21		Revision		
15 <sup>th</sup> Week 08.02.21 to 13.02.21		Revision		