

YAN OI TONG TIN KA PING SECONDARY SCHOOL
F.4 BIOLOGY
TEACHING SCHEDULE

Cycle	Topic	Practical works	No. of periods
1	Introducing Biology Cell as the basic unit of life		2 3
2	Cell as the basic unit of life Movement of substances across cell membrane	Use of microscope (Starch granules in banana and potato)	2 3
3	Movement of substances across cell membrane	Use of microscope (Animal cell and plant cell)	5
4	Movement of substances across cell membrane	Determination of water potential in potato strip	5
5	Enzymes and metabolism		5
6	Enzymes and metabolism	Demonstration of enzyme properties by starch agar and milk agar	5
7	Enzymes and metabolism		5
8	Food and human		5
9	Nutrition in humans		5
10	Nutrition in humans	Investigation: Anti-oxidant and tea	5
11	Nutrition in humans		5
12	Nutrition in humans		5
13	Revision for First Exam and Checking Exam Paper		5
14	Gas exchange in humans		5
15	Gas exchange in humans	Biological drawings of digestive & breathing systems	5
16	Transport in humans		5
17	Nutrition and gas exchange in plants		5
18	Transpiration, transport and support in plants		5
19	Transpiration, transport and support in plants		5

Cycle	Topic	Practical works	No. of periods
20	Cell cycle and division		5
21	Cell cycle and division		5
22	Reproduction in flowering plants	Dissection of flowering plants	5
23	Reproduction in humans		5
24	Reproduction in humans		5
25	Growth and development		5
Summer tutorial class	Detecting the environment Coordination in humans		NA

Total No. of Periods : 125 (5 x 25)