

2025 RATIONALIZED SPOTLIGHT INTEGRATED SCIENCE SCHEMES OF WORK TERM 2

SCHOOL..... TEACHER'S NAME..... TERM

Weel	LSN	strand	Sub-strand	Specific Learning Outcomes	Key Inquiry Question(s)	Learning Experiences	Learning Resources	Assessment Methods	Refl
1	1	LIVING THINGS AND THEIR ENVIRONMEN T	The cell-Preparing, mounting and observing cells under a a light microscope	By the end of the lesson, the learner should be able to: a. Identify the components of a plant cells as seen under the light microscope. b. Draw a light microscope. c. appreciate that all living things are made of microscopic units.	What are the components of a plant cell as seen under a light microscope?	The learner is guided to: ● collaboratively prepare, mount, observe and draw plant cells as seen under a light microscope, (include a reminder on how to use and care for a light microscope)	Textbooks, laboratory, light microscope, cover slide, onion bulb, laboratory equipment's Spotlight Integrated Scie T.G Pg.76-77 Spotlight Integrated Scie P.b Pg.89-90	Observation, anecdotal records	
	2		Preparing, mounting and observing cells under a light microscope	By the end of the lesson, the learner should be able to: a. Identify the components of a plant cells as seen under the light microscope. b. Draw a light microscope. c. appreciate that all living things are made of microscopic units.	What are the components of a plant cell as seen under a light microscope?	The learner is guided to: ● collaboratively prepare, mount, observe and draw plant cells as seen under a light microscope, (include a reminder on how to use and care for a light microscope)	Textbooks, laboratory, light microscope, cover slide, onion bulb, laboratory equipment's <u>Spotlight Integrated Scie T.G Pg.76-77</u> <u>Spotlight Integrated Scie P.b Pg.89-90</u>	Observation, anecdotal records	
	3		Structure and components of a plant cell	By the end of the lesson, the learner should be able to: a. outline the structure of plant cells as observed under a light microscope, b. draw a plant cell as seen under light microscope. c. appreciate that all living things are made of microscopic units.	What are the components of a plant cell as seen under a light microscope?	The learner is guided to: ● collaboratively prepare, mount, observe and draw plant cells as seen under a light microscope, (include a reminder on how to use and care for a light microscope)	Textbooks, laboratory, light microscope, cover slide, onion bulb, laboratory equipment's <u>Spotlight Integrated Scie T.G Pg.77-78</u> <u>Spotlight Integrated Scie P.b Pg.91-92</u>	Observation, anecdotal records	

	4		Structure and components of a plant cell	By the end of the lesson, the learner should be able to: a. outline the structure of plant cells as observed under a light microscope, b. draw a plant cell as seen under light microscope. c. appreciate that all living things are made of microscopic units.	What are the components of a plant cell as seen under a light microscope?	The learner is guided to: ● collaboratively prepare, mount, observe and draw plant cells as seen under a light microscope, (include a reminder on how to use and care for a light microscope)	Textbooks, laboratory, light microscope, cover slide, onion bulb, laboratory equipment's <u>Spotlight Integrated Scie T.G Pg.77-78</u> <u>Spotlight Integrated Scie P.b Pg.91-92</u>	Observation, anecdotal records	
	5		Structure and components of a plant cell	By the end of the lesson, the learner should be able to: a. outline the structure of plant cells as observed under a light microscope, b. draw a plant cell as seen under light microscope. c. appreciate that all living things are made of microscopic units.	What are the components of a plant cell as seen under a light microscope?	The learner is guided to: ● collaboratively prepare, mount, observe and draw plant cells as seen under a light microscope, (include a reminder on how to use and care for a light microscope)	Textbooks, laboratory, light microscope, cover slide, onion bulb, laboratory equipment's Spotlight Integrated Scie T.G Pg.77-78 Spotlight Integrated Scie P.b Pg.91-92	Observation, anecdotal records	
2	1		Structure and components of a plant cell	By the end of the lesson, the learner should be able to: a. outline the structure of plant cells as observed under a light microscope, b. draw a plant cell as seen under light microscope. c. appreciate that all living things are made of microscopic units.	What are the components of a plant cell as seen under a light microscope?	The learner is guided to: ● collaboratively prepare, mount, observe and draw plant cells as seen under a light microscope, (include a reminder on how to use and care for a light microscope)	Textbooks, laboratory, light microscope, cover slide, onion bulb, laboratory equipment's Spotlight Integrated Scie T.G Pg.77-78 Spotlight Integrated Scie P.b Pg.91-92	Observation, anecdotal records	

2		Structure and components of an animal cell	By the end of the lesson, the learner should be able to: <ul style="list-style-type: none"> a. outline the structure of plant and animal cells as observed under a light microscope, b. draw and label animal cell on permanents slides as seen under the light microscope. c. appreciate that all living things are made of microscopic units. 	What are the components of an animal cell as seen under a light microscope?	The learner is guided to: <ul style="list-style-type: none"> ● collaboratively observe, draw and label animal cells on permanent slides as seen under the light microscope, 	Textbooks, laboratory, light microscope, cover slide, animal cell, laboratory equipment's Spotlight Integrated Scie T.G Pg.78-81 Spotlight Integrated Scie P.b Pg.93-94	Observation, anecdotal records QA Discussion	
---	--	--	--	---	--	---	--	--

3		Structure and components of an animal cell	By the end of the lesson, the learner should be able to: <ul style="list-style-type: none"> a. outline the structure of plant and animal cells as observed under a light microscope, b. draw and label animal cell on permanents slides as seen under the light microscope. c. appreciate that all living things are made of microscopic units. 	What are the components of an animal cell as seen under a light microscope?	The learner is guided to: <ul style="list-style-type: none"> ● collaboratively observe, draw and label animal cells on permanent slides as seen under the light microscope, 	Textbooks, laboratory, light microscope, cover slide, animal cell, laboratory equipment's Spotlight Integrated Scie T.G Pg.78-81 Spotlight Integrated Scie P.b Pg.93-94	Observation, anecdotal records QA Discussion	
4		Structure and components of an animal cell	By the end of the lesson, the learner should be able to: <ul style="list-style-type: none"> a. outline the structure of plant and animal cells as observed under a light microscope, b. draw and label animal cell on permanents slides as seen under the light microscope. c. appreciate that all living things are made of microscopic units. 	What are the components of an animal cell as seen under a light microscope?	The learner is guided to: <ul style="list-style-type: none"> ● collaboratively observe, draw and label animal cells on permanent slides as seen under the light microscope, 	Textbooks, laboratory, light microscope, cover slide, animal cell, laboratory equipment's Spotlight Integrated Scie T.G Pg.78-81 Spotlight Integrated Scie P.b Pg.93-94	Observation, anecdotal records QA Discussion	

	5		Structure and components of an animal cell	<p>By the end of the lesson, the learner should be able to:</p> <ol style="list-style-type: none"> outline the structure of plant and animal cells as observed under a light microscope, draw and label animal cell on permanent slides as seen under the light microscope. appreciate that all living things are made of microscopic units. 	What are the components of an animal cell as seen under a light microscope?	The learner is guided to: <ul style="list-style-type: none"> collaboratively observe, draw and label animal cells on permanent slides as seen under the light microscope, 	Textbooks, laboratory, light microscope, cover slide, animal cell, laboratory equipment's Spotlight Integrated Scie T.G Pg.78-81 Spotlight Integrated Scie P.b Pg.93-94	Observation, anecdotal records QA Discussion	
--	---	--	--	---	---	--	---	--	--

3	1		Functions of components of a cell as seen under light microscope – plant cell	<p>By the end of the lesson, the learner should be able to:</p> <ol style="list-style-type: none"> describe the functions of components of cells as seen under the light microscope, use IT devices to know more on functions of plant cells as seen under light microscope. appreciate that all living things are made of microscopic units. 	What are the functions of the components of a cell as seen under the light microscope?	The learner is guided to: <ul style="list-style-type: none"> use print and non-print material to search for information on functions of components of plant cells as seen under the light microscope, 	Textbooks, charts Spotlight Integrated Scie T.G Pg.81-84 Spotlight Integrated Scie P.b Pg.95-96	Observation, Demonstration QA Discussion	
	2		Functions of components of a cell as seen under light microscope – plant cell	<p>By the end of the lesson, the learner should be able to:</p> <ol style="list-style-type: none"> describe the functions of components of cells as seen under the light microscope, use IT devices to know more on functions of plant cells as seen under light microscope. appreciate that all living things are made of microscopic units. 	What are the functions of the components of a cell as seen under the light microscope?	The learner is guided to: <ul style="list-style-type: none"> use print and non-print material to search for information on functions of components of plant cells as seen under the light microscope, 	Textbooks, charts Spotlight Integrated Scie T.G Pg.81-84 Spotlight Integrated Scie P.b Pg.95-96	Observation, Demonstration QA Discussion	

3		Functions of components of a cell as seen under light microscope – animal cell	By the end of the lesson, the learner should be able to: a. describe the functions of components of animal cells as seen under the light microscope, b. use IT devices to know more on functions of Animal cell as seen under light microscope. c. appreciate that all living things are made of microscopic units.	What are the functions of the components of a cell as seen under the light microscope?	The learner is guided to: ● use print and non-print material to search for information on functions of components of Animal cells as seen under the light microscope,	Textbooks, charts Spotlight Integrated Scie T.G Pg.81-84 Spotlight Integrated Scie P.b Pg.95-96	Observation, Demonstration QA Discussion	
4		Functions of components of a cell as seen under light microscope – animal cell	By the end of the lesson, the learner should be able to: a. describe the functions of components of animal cells as seen under the light microscope, b. use IT devices to know more on functions of Animal cell as seen under light microscope. c. appreciate that all living things are made of microscopic units.	What are the functions of the components of a cell as seen under the light microscope?	The learner is guided to: ● use print and non-print material to search for information on functions of components of Animal cells as seen under the light microscope,	Textbooks, charts Spotlight Integrated Scie T.G Pg.81-84 Spotlight Integrated Scie P.b Pg.95-96	Observation, Demonstration QA Discussion	

5		Functions of components of a cell as seen under light microscope – animal cell	By the end of the lesson, the learner should be able to: a. describe the functions of components of animal cells as seen under the light microscope, b. use IT devices to know more on functions of Animal cell as seen under light microscope. c. appreciate that all living things are made of microscopic units.	What are the functions of the components of a cell as seen under the light microscope?	The learner is guided to: ● use print and non-print material to search for information on functions of components of Animal cells as seen under the light microscope,	Textbooks, charts Spotlight Integrated Scie T.G Pg.81-84 Spotlight Integrated Scie P.b Pg.95-96	Observation, Demonstration QA Discussion	
---	--	--	--	--	--	---	--	--