

2025 ACTIVE INTEGRATED SCIENCE GRADE 7 SCHEMES OF WORK – TERM 2

SCHOOL	GRADE	LEARNING AREA	TERM	YEAR
	7	INTEGRATED SCIENCE	2	2025

Week	Lesson	Strand	Sub-Strand	Specific Learning Outcome	Learning Experiences	Key Inquiry Question	Learning Resources	Assessment Methods	Reflection
1	1	Mixtures, Elements and Compounds.	Mixtures; Separation of mixtures (a). Simple distillation.	By the end of the lesson, the learner should be able to; a) Outline the procedure for separating a mixture using simple distillation. b) Carry out an experiment to separate a mixture of salt and water using simple distillation. c) Appreciate the use of simple distillation in separation of mixtures.	In groups, learners are guided to; Discuss what is simple distillation. Prepare the requirements for the experiment. State the procedure for separating a mixture of salt and water using simple distillation. Carry out an experiment to separate a mixture of salt and water using simple distillation. Record and discuss the observations from the experiment.	What is a solvent, solute and solution in a mixture?	Active Integrated Science pg 69-70. Digital devices. Table salt and water. Portable burner. Boiling tubes. Delivery tube. Retort stand and clamp.	Observation. Assessment rubrics. Practical work. Checklists. Written tests. Oral discussions. Oral questions.	
	2	Mixtures, Elements and Compound	Mixtures. Separation of mixtures. (b)	By the end of the lesson, the learner should be able to; a) Outline the procedure	In groups, learners are guided to; Discuss fractional distillation as method of	What is Fractional distillation?	Active Integrated Science pg 70-72.	Assessment rubrics. Oral questions.	

		s.	Fractional distillation.	<p>for separating a mixture of ethanol and water.</p> <p>b) Search the internet for a video on separation of a mixture of ethanol and water using fractional distillation.</p> <p>c) Appreciate the use of fractional distillation as a method of separating mixture.</p>	<p>separating mixtures.</p> <p>List the requirements for separating a mixture using the fractional distillation.</p> <p>State the procedure for separating a mixture using fractional distillation.</p> <p>Search the internet for videos on separating a mixture of ethanol and water using fractional distillation.</p> <p>Discuss the observation from the experiment.</p>		Digital devices. Internet. Video clips.	Observation schedule. Oral discussions. Written tests.	
	3	Mixtures, Elements and Compound s.	Mixtures: Separation method. (c).Sublimation.	<p>By the end of the lesson, the learner should be able to;</p> <p>a) Outline the procedure for separating a mixture of sodium chloride and iodine by sublimation.</p> <p>b) Carry out an experiment to separate a mixture of sodium chloride and iodine by sublimation.</p> <p>c) Appreciate the use of sublimation in separating mixture.</p>	<p>In groups, learner are guided to;</p> <p>List and prepare the requirements for the experiment.</p> <p>State the procedure for separating a mixture of iodine and sodium chloride by sublimation.</p> <p>Follow the procedure to carry out the experiment on separating a mixture of iodine and sodium chloride by sublimation.</p> <p>Record and discuss the observations from then</p>	What is sublimation as method of separating mixtures?	Active Integrated Science pg 75-76. Iodine crystals. Sodium chloride. Beaker,round-bottomed flask. Spatula. Portable burner. Wire gauze,tripod stand. Digital	Assessment rubric. Checklists. Practical work. Observation. Oral questions. Oral discussions.	