

Wk	Ln	Strand	Sub-strand	Specific-Learning outcomes	Learning Experience	Key Inquiry Question(S)	Learning Resources	Assessment Methods	Reflection
1	1	SAFETY	Personal safety; Potential hazards to personal safety	By the end of the lesson, the learner should be able to: a) Explain the meaning of safety and hazard. b) Draw pictures of things or items that can cause harm, discomfort or sickness to people in their day-to-day life. c) Appreciate the importance of observing safety.	In groups, learners are guided to explain the meaning of safety and hazard In pairs, learners are guided to draw pictures of things or items that can cause harm, discomfort or sickness to people in their day-to-day life	What is personal safety?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 1-3</u>	Oral questions Oral Report Observation	
	2		Safety for self and others	By the end of the lesson, the learner should be able to: a) List hazards that one faces when working in the kitchen. b) Discuss the solutions of different types of hazards. c) Have a desire to observe safety.	Learners to list hazards that one faces when working in the kitchen In groups, learners are guided to discuss the solutions of different types of hazards.	How do I ensure my friends and I are safe as we work?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 3-5</u>	Oral questions Oral Report Observation	
	3		Safety for self and others	By the end of the lesson, the learner should be able to: a) Define the term safety gear. b) Discuss the items that people wear to protect themselves and others when performing tasks. c) Draw the pictures of people wearing different safety gear. d) Recognize the importance of observing safety.	In groups, learners are guided to define the term safety gear In groups, learners to discuss the items that people wear to protect themselves and others when performing tasks. In pairs, or individually, learners to draw the pictures of people wearing different safety gear.	What is safety gear?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 5-6</u>	Oral questions Oral Report Observation	
	4		Safe handling of tools and equipment	By the end of the lesson, the learner should be able to: a) Discuss the actions people avoid doing to protect themselves and others when	In groups, learners are guided to discuss the actions people avoid doing to protect themselves and others when performing a task	Which actions do people avoid doing to protect themselves	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar:</u>	Oral questions Oral Report Observation	

				performing a task. b) Explain four forms of expected safe behavior common to both a farmer and a nurse. c) Practice how to correctly wear different safety gear as they work on assigned activities. d) Demonstrate safety for self and others.	Learners are guided to explain four forms of expected safe behavior common to both a farmer and a nurse. in groups, learners to practice how to correctly wear different safety gear as they work on assigned activities.	and others when performing a task?	<u>Pre-Technical Studies Learner's Book Grade 7 pg. 5-6</u>		
	5		Safety rules and regulations at work	By the end of the lesson, the learner should be able to: a) Identify ways of handling tools and equipment safely while performing tasks in the locality. b) practice how to handle tools and equipment safely when performing a task. c) Appreciate the importance of safe handling of tools and equipment.	Learners are guided to identify ways of handling tools and equipments safely while performing tasks in the locality Learners are guided to practise how to handle tools and equipments safely when performing a task	What is the safe way to handle tools when doing a task?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 7-11</u>	<i>Oral questions Oral Report Observation</i>	
2	1		Safety rules and regulations at work	By the end of the lesson, the learner should be able to: a) Discuss the meaning of safety rules and precautions. b) Determine safety rules and regulations for a given task. c) Appreciate the importance of observing safety rules and regulations at work.	In groups, learners are guided to discuss the meaning of safety rules and precautions Learners to determine safety rules and regulations for a given task	How do you observe safety when performing a certain task?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 11-14</u>	<i>Oral questions Oral Report Observation</i>	
	2		Safety rules and regulations at work	By the end of the lesson, the learner should be able to: a) List safety rules and regulations to follow when in the hospital. b) Describe the danger of working on a task they do not	Learners are guided to list safety rules and regulations to follow when in the hospital. In pairs, learners to describe the danger of working on a task they do not understand	Why is it important to know the hazard of a task before doing it?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical</u>	<i>Oral questions Oral Report Observation</i>	

				<p>understand well.</p> <p>c) Discuss the importance to know the hazards of a task before doing it.</p> <p>d) Appreciate the importance of observing safety rules and regulations at work.</p>	<p>well.</p> <p>In groups, learners to discuss the importance to know the hazards of a task before doing it.</p>		<u>Studies Learner's Book Grade 7 pg. 14-15</u>		
	3		Career related to personal safety	<p>By the end of the lesson, the learner should be able to:</p> <p>a) Define career.</p> <p>b) Discuss the safety items sold in their locality.</p> <p>c) Draw the safety items that can be made in their locality.</p> <p>d) Discuss the services related to personal safety in their locality</p> <p>e) Appreciate the careers related to personal safety</p>	<p>Learners to define the term career.</p> <p>In groups, learners are guided to discuss the safety items sold in their locality.</p> <p>In groups, learners to discuss the services related to personal safety in their locality.</p> <p>In pairs or individually, learners are guided to draw the safety items that can be made in their locality.</p>	What is a career?	<p>Charts</p> <p>Pictures</p> <p>Digital devices</p> <p>Computing devices</p> <p><u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 15-17</u></p>	<i>Oral questions Oral Report Observation</i>	
	4		Career related to personal safety	<p>By the end of the lesson, the learner should be able to:</p> <p>a) Identify how people learn safety.</p> <p>b) Name careers of people in their community.</p> <p>c) Discuss careers related to personal safety.</p> <p>d) Appreciate the careers related to personal safety.</p>	<p>In groups, learners are guided to identify how people learn safety.</p> <p>In pairs, learners are guided to name careers of people in their community.</p> <p>In groups, learners to discuss careers related to personal safety</p>	Which careers are related to personal safety?	<p>Charts</p> <p>Pictures</p> <p>Digital devices</p> <p>Computing devices</p> <p><u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 15-17</u></p>	<i>Oral questions Oral Report Observation</i>	
	5		Role of safety in day-to-day life	<p>By the end of the lesson, the learner should be able to:</p> <p>a) Explain the role of safety in day-to-day life.</p> <p>b) Discuss the importance of personal safety.</p> <p>c) Discuss the importance of feeling safe.</p>	<p>In pairs, learners to explain the role of safety in day-to-day life.</p> <p>In groups, learners are guided to discuss the importance of personal safety</p> <p>In groups, learners to discuss the importance of feeling</p>	What is the role of safety om day-to-day life?	<p>Charts</p> <p>Pictures</p> <p>Digital devices</p> <p>Computing devices</p> <p><u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg.</u></p>	<i>Oral questions Oral Report Observation</i>	

				d) Appreciate the importance of personal safety.	safe.		<u>17-19</u>		
3	1		Revision	By the end of the lesson, the learner should be able to: Attempt all questions related to the sub-topic; Personal safety	In groups, pairs or individually learners are guided to attempt all questions related to the sub-topic; Personal safety		Assessment books Digital devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 19</u>	<i>Oral questions Oral Report Observation</i>	
	2		Types of injuries	By the end of the lesson, the learner should be able to: a) Define the term injury. b) Discuss the common types of injuries. c) Draw a picture of a man with fractured leg in plaster. d) Appreciate the importance of a health worker.	Learners to define the term injury. In groups, learners are guided to discuss the common types of injuries. Learners are guided to draw a picture of a man with fractured leg in plaster	What is a an injury?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 19-20</u>	<i>Oral questions Oral Report Observation</i>	
	3		Causes of injury	By the end of the lesson, the learner should be able to: a) Outline the types of injuries one if likely to suffer when carrying out an activity. b) Identify the type of injury shown in each of the picture in learner's book. c) Draw the pictures in learner's book. d) Have a desire to observe safety.	In groups, learners are guided to outline the types of injuries one if likely to suffer when carrying out an activity Learners are guided to identify the type of injury shown in each of the picture in learner's book Learners to draw the pictures in learner's book	Which type of injury will you likely suffer when cooking?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 20-21</u>	<i>Oral questions Oral Report Observation</i>	
	4		Causes of injury	By the end of the lesson, the learner should be able to: a) Identify causes of injuries in the locality. b) List most common causes of injuries at workplaces in their community.	Learners are guided to identify causes of injuries in the locality Learners to list most common causes of injuries at workplaces in their community.	What causes injuries? What things would cause a person an injury while	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's</u>	<i>Oral questions Oral Report Observation</i>	

				c) Discuss what would cause them injury while carrying out a task. d) Recognize things that would cause them injury while carrying out an activity.	In groups, learners to discuss what would cause them injury while carrying out a task. Learners to recognize things that would cause them injury while carrying out an activity.	carrying out activities? Which actions are likely to cause someone injury while carrying out a task?	<u>Book Grade 7 pg. 20-21</u>		
	5		First aid measures	By the end of the lesson, the learner should be able to: a) Define the term first aid. b) Identify the purpose of first aid. c) List the items found in a first aid kit. d) Relate types of injuries to corresponding first aid requirement. e) Appreciate the use of a first aid kit.	Learners to define the term first aid. In groups, learners to identify the purpose of first aid. In groups, learners are guided to list the items found in a first aid kit. In groups, learners to relate types of injuries to corresponding first aid requirement.	What is first aid? What kind of first aid is suitable for cuts, burns, scalds and fractures?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 21-23</u>	Oral questions Oral Report Observation	
4	1		First aid measures	By the end of the lesson, the learner should be able to: a) Outline the first aid procedure for cuts. b) Demonstrate the first aid procedure for cuts. c) Draw the pictures in learner's book. d) Appreciate the importance of first aid procedure for cuts	Learners are guided to outline the first aid procedure for cuts. In groups, in pairs or individually, learners to demonstrate the first aid procedure for cuts. Learners to draw the pictures in learner's book	What is the first aid procedure for cuts?	Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 24-25</u>	Oral questions Oral Report Observation	
	2		First aid measures	By the end of the lesson, the learner should be able to: Outline the first aid procedure for burns and scalds. Demonstrate the first aid procedure for burns and scalds.	Learners are guided to outline the first aid procedure for burns and scalds. In groups, in pairs or individually, learners to demonstrate the first aid	What is the first aid procedure for burns and scalds?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar:</u>	Oral questions Oral Report Observation	

				Draw the pictures in learner's book. Appreciate the importance of first aid procedure for burns and scalds.	procedure for burns and scalds. Learners to draw the pictures in learner's book		<u>Pre-Technical Studies Learner's Book Grade 7 pg. 26-27</u>		
	3		First aid measures	By the end of the lesson, the learner should be able to: a) Define a fracture. b) Outline the first aid procedure for a fracture. c) Demonstrate the first aid procedure for a fracture. d) Appreciate the importance of first aid procedure for a fracture.	Learners to define a fracture. Learners are guided to outline the first aid procedure for a fracture. In groups, in pairs or individually, learners to demonstrate the first aid procedure for a fracture.	What is the first aid procedure for a fracture?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 27-28</u>	<i>Oral questions Oral Report Observation</i>	
	4		Safety measures to minimize injuries	By the end of the lesson, the learner should be able to: a) Identify safety measures to minimize cuts, burns, scalds and fractures. b) Discuss the safety measures that people take to minimize the injuries. c) Apply safety measures to minimize injuries in the locality.	In groups, learners are guided to identify safety measures to minimize cuts, burns, scalds and fractures In groups, learners are guided to discuss the safety measures that people take to minimize the injuries	How can we minimize injuries at the workplace?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 29-30</u>	<i>Oral questions Oral Report Observation</i>	
	5		Careers related to first aid and management of injuries	By the end of the lesson, the learner should be able to: a) Identify careers related to first aid and management of injuries. b) Discuss services that are related to first aid in the locality. c) Discuss the careers related to first aid and management of injuries. d) Appreciate the careers related	Learners are guided to identify careers related to first aid and management of injuries In groups, learners are guided to discuss services that are related to first aid in the locality. In groups, learners are guided to discuss the careers related to first aid and management	How do people learn about administering first aid?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 30-31</u>	<i>Oral questions Oral Report Observation</i>	

				to first aid and management of injuries.	of injuries				
5	1		Importance of safety in everyday life	By the end of the lesson, the learner should be able to: a) Explain the importance of observing safety to reduce injuries in the day-to-day activities. b) Conduct a debate on the importance of observing safety precautions when carrying out activities. c) Appreciate the importance of safety in everyday life.	Learners are guided to explain the importance of observing safety to reduce injuries in the day-to-day activities In groups, learners to conduct a debate on the importance of observing safety precautions when carrying out activities.	Why is safety important in our daily lives?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 32-33</u>	Oral questions Oral Report Observation	
	2		Revision	By the end of the lesson, the learner should be able to: Attempt all questions related to the topic; Safety	In groups, pairs or individually learners are guided to attempt all questions related to the topic; Safety		Assessment books Digital devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 33</u>	Oral questions Oral Report Observation	
	3	MATERIALS	Common materials	By the end of the lesson, the learner should be able to: a) Take a walk around the school compound and collect different materials. b) Name the materials they have collected. c) Appreciate the materials found in their locality.	As a class, learners to take a walk around the school compound and collect different materials. Learners to name the materials they have collected	Which type of materials have you collected?	Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 34-36</u>	Oral questions Oral Report Observation	
	4	Materials	Common materials	By the end of the lesson, the learner should be able to: a) List the materials found in their locality. b) Draw pictures of different materials in their locality. c) Appreciate the materials found	Learners are guided to list the materials found in their locality Learners are guided to draw pictures of different materials in their locality	Which materials are found in their locality?	Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg.</u>	Oral questions Oral Report Observation	

				in their locality.			<u>34-36</u>		
	5	Material s	Categorizations of materials into metals and non-metals	By the end of the lesson, the learner should be able to: a) Categorize the common materials in their locality into metals and non-metals. b) Identify the metallic and non-metallic materials they have separated. c) Draw pictures of metallic and non-metallic materials. d) Appreciate the metallic and non-metallic materials.	In groups, learners to categorize the common materials in their locality into metals and non-metals In groups, learners to identify the metallic and non-metallic materials they have separated	How can you distinguish a metallic material from a non-metallic material?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 36-37</u>	<i>Oral questions Oral Report Observation</i>	
6	1	Material s	Distinction between metallic and non-metallic materials	By the end of the lesson, the learner should be able to: a) List the difference between metallic and non-metallic materials. b) Examine the appearance of each metallic and non-metallic material in the locality. c) Appreciate the difference between metallic and non-metallic materials.	In pairs, learners to list the difference between metallic and non-metallic materials. In groups, learners to examine the appearance of each metallic and non-metallic materials in the locality.	What is the difference between metallic and non-metallic materials?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 37-39</u>	<i>Oral questions Oral Report Observation</i>	
	2	Material s	Physical properties of materials	By the end of the lesson, the learner should be able to: a) Define the term physical properties. b) Describe physical properties of common materials found in the locality. c) Conduct an experiment to determine if the material feels smooth and rough. d) Appreciate physical properties of materials.	Learners to define the term physical properties In groups, learners to Describe physical properties of common materials found in the locality. In groups, learners are guided to conduct an experiment to determine if the material feels smooth and rough	What is physical property?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 39-41</u>	<i>Oral questions Oral Report Observation</i>	
	3	Material s	Physical properties of	By the end of the lesson, the learner should be able to:	Learners are guided to outline four physical properties of the	What are physical	Charts Pictures	<i>Oral questions</i>	

			materials	a) Outline four physical properties of the common materials found in their locality. b) Using a knife or nail, conduct an experiment to determine if the surface is hard or easy to scratch. c) Enjoy conducting different experiments.	common materials found in their locality In groups, learners to use a knife or nail, conduct an experiment to determine if the surface is hard or easy to scratch.	properties of different material? (stone, ball)	Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 39-41</u>	Oral Report Observation	
	4	Materials	Careers related to materials in the locality	By the end of the lesson, the learner should be able to: a) Identify the materials to make different items in learner's book. b) Describe careers related to the materials in their locality. c) Recognize careers related to materials in their locality. d) Appreciate the careers related to materials in the locality.	Learners to identify the materials to make different items in learner's book Learners are guided to describe careers related to the materials in their locality. In groups, learners to recognize careers related to materials in their locality	Which careers are related to materials found in their locality?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 41-42</u>	Oral questions Oral Report Observation	
	5	Materials	Importance of different materials found in the locality	By the end of the lesson, the learner should be able to: a) Observe the items made from different materials in the locality. b) Discuss the importance of different materials found in the locality. c) Appreciate the importance of different materials found in the locality.	In groups, learners to observe the items made from different materials in the locality In groups, learners to discuss the importance of different materials found in the locality	What is the importance of different materials found in the locality?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 43</u>	Oral questions Oral Report Observation	
7	1	Materials	Importance of different materials found in the locality	By the end of the lesson, the learner should be able to: a) Make a chart showing common materials in their locality. b) Explain how the materials are	In groups, learners to explain how the materials are used In groups, learners are guided to make a chart showing common materials in their locality.	Which types of materials are found in your locality?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical</u>	Oral questions Oral Report Observation	

				used. c) Play the crossword puzzle game. d) Have fun and enjoy playing the game.	In groups, learners are guided to play the crossword puzzle game.		<u>Studies Learner's Book Grade 7 pg. 43</u>		
	2	Materials	Types of metals	By the end of the lesson, the learner should be able to: a) Explain the meaning of metal. b) Take a walk around the school compound and pick pieces of metallic items such as jewelry, nails cans. c) Have fun and enjoy excursion.	In pairs, learners are guided to explain the meaning of metal. In groups, learners to take a walk around the school compound and pick pieces of metallic items such as jewelry, nails cans	What are metals?	Charts Pictures Digital devices Computing devices <u>KL B; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 44-47</u>	<i>Oral questions Oral Report Observation</i>	
	3	Materials	Types of metals	By the end of the lesson, the learner should be able to: a) Arrange the metallic items collected into groups. b) List the different types of metals found in their locality. c) Discuss the different types of metallic items found in their locality. d) Appreciate the metallic materials found in their locality.	In groups, learners to arrange the metallic items collected into groups In groups, learners to list the different types of metals found in their locality. In groups, learners to discuss the different types of metallic items found in their locality	Which types of metals are found in your locality?	Charts Pictures Digital devices Computing devices <u>KL B; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 44-47</u>	<i>Oral questions Oral Report Observation</i>	
	4	Materials	Physical properties of ferrous and non-ferrous metals	By the end of the lesson, the learner should be able to: a) Define ferrous and non-ferrous metals. b) Discuss the physical properties of ferrous and non-ferrous metals. c) Appreciate the physical properties of ferrous and non-ferrous metals.	Learners to define ferrous and non-ferrous metals. In groups, learners to discuss the physical properties of ferrous and non-ferrous metals.	What are ferrous metals? What are non-ferrous metals?	Charts Pictures Digital devices Computing devices <u>KL B; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 47-50</u>	<i>Oral questions Oral Report Observation</i>	
	5	Materials	Physical properties of	By the end of the lesson, the learner should be able to:	Learners to describe physical properties of ferrous and non-	What are the physical	Charts Pictures	<i>Oral questions</i>	

			ferrous and non-ferrous metals	a) Describe physical properties of ferrous and non-ferrous metals. b) Conduct experiments of ferrous and non-ferrous metals. c) Enjoy conducting various experiments.	ferrous metals. In groups, learners to conduct experiments of ferrous and non-ferrous metals, such as, using a magnet, heating a metallic item.	properties of ferrous and non-ferrous metals	Digital devices Computing devices <i>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 47-50</i>	<i>Oral Report Observation</i>	
8	1	Materials	Uses of metals	By the end of the lesson, the learner should be able to: a) Name the items made from iron, steel, aluminum and bronze. b) Discuss the uses of metals in the locality. c) Appreciate the uses of metals	In groups, learners to name the items made from iron, steel, aluminum and bronze In groups, learners to discuss the uses of metals in the locality.	What are the uses of metals?	Digital devices Computing devices <i>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 50-51</i>	<i>Oral questions Oral Report Observation</i>	
	2	Materials	Careers related to the use of metals	By the end of the lesson, the learner should be able to: a) Describe careers related to the use of metals b) Recognize careers related to the use of metals. c) Appreciate the careers related to the uses of metals.	In groups, learners to describe careers related to the use of metals. In groups, learners to recognize careers related to the use of metals.	Which careers are related to the uses of metal?	Charts Pictures Digital devices Computing devices <i>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 51-53</i>	<i>Oral questions Oral Report Observation</i>	
	3	Materials	Importance of different metals	By the end of the lesson, the learner should be able to: a) Explain the importance of different metals in the locality. b) Discuss the importance of different material in the locality. c) Write an essay about "The importance of metals in the locality" d) Appreciate the importance of different metals.	In pairs, learners to explain the importance of different metals in the locality. In groups, learners to discuss the importance of different material in the locality. Individually, learners to write an essay about "The importance of metals in the locality"	What is the importance of different metals in the locality?	KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 53-54 Charts Pictures Digital devices Computing devices	<i>Oral questions Oral Report Observation</i>	

	4	Materials	Non-metallic materials	By the end of the lesson, the learner should be able to: a) Walk around the school compound. b) Collect pieces of non-metallic materials such as wood, glass, plastics. c) Enjoy the excursion.	As a class, learners to walk around the school compound As a class, learners to collect pieces of non-metallic materials such as wood, glass, plastics.	Which types of materials have you collected?	Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 54-55</u>	<i>Oral questions Oral Report Observation</i>	
	5	Materials	Non-metallic materials	By the end of the lesson, the learner should be able to: a) Discuss the meaning of natural non-metallic materials and synthetic materials. b) Discuss the difference between synthetic and natural non-metallic materials. c) Distinguish synthetic and natural non-metallic materials. d) Recognize synthetic and natural non-metallic materials.	In groups, learners to discuss the meaning of natural non-metallic materials and synthetic materials. In groups, learners to discuss the difference between synthetic and natural non-metallic materials. In groups, learners distinguish synthetic and natural non-metallic materials	What is a non-metallic material?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 54-55</u>	<i>Oral questions Oral Report Observation</i>	
9	HALF TERM BREAK								
10	1	Materials	categorization of non-metallic materials as either synthetic or natural	By the end of the lesson, the learner should be able to: a) Name the items made from synthetic materials and those made from natural non-metallic materials. b) Discuss synthetic and natural non-metallic materials that they have come across at home and in the locality. c) Categorize non-metallic materials as either synthetic or natural. d) Enjoy categorization of non-metallic materials as either synthetic or natural.	In pairs, learners to name the items made from synthetic materials and those made from natural non-metallic materials In groups, learners are guided to discuss synthetic and natural non-metallic materials that they have come across at home and in the locality. In groups, learners are guided to categorize non-metallic materials as either synthetic or natural	How do you categorize non-metallic materials as either synthetic or natural?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 55-57</u>	<i>Oral questions Oral Report Observation</i>	

2	Materials	Physical properties of non-metallic materials	By the end of the lesson, the learner should be able to: a) Name the items they have collected to conduct the experiment. b) Conduct the physical properties of non-metallic materials. c) Have fun conducting the experiments.	In groups, learners are guided to name the items they have collected to conduct the experiment. In groups, learners to conduct the physical properties of non-metallic materials.	What are the physical properties of non-metallic materials?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 57-60</u>	<i>Oral questions Oral Report Observation</i>	
3	Materials	Physical properties of non-metallic materials	By the end of the lesson, the learner should be able to: a) Describe physical properties of non-metallic materials in the locality. b) Discuss the physical properties of non-metallic materials in the locality. c) Appreciate the physical properties of non-metallic materials in the locality.	Learners to describe physical properties of non-metallic materials in the locality. In groups, learners are guided to discuss the physical properties of non-metallic materials in the locality	What are the physical properties of non-metallic materials?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 57-60</u>	<i>Oral questions Oral Report Observation</i>	
4	Materials	Uses of non-metallic materials	By the end of the lesson, the learner should be able to: a) Identify the uses of non-metallic materials. b) Name the five household items from non-metallic materials. c) practice how to make different household items from non-metallic materials. d) Appreciate the uses of non-metallic materials.	In groups, learners are guided to identify the uses of non-metallic materials In groups, learners are guided to name the five household items from non-metallic materials. In groups, learners are guided to practise how to make different household items from non-metallic materials.	What are the uses of non-metallic materials	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 56-63</u>	<i>Oral questions Oral Report Observation</i>	
5	Materials	Career related to the processing and use of	By the end of the lesson, the learner should be able to: a) Take a visit to the workplaces and technical training institutions near them.	In groups, learners are guided to take a visit to the workplaces and technical training institutions near them.	What have you learnt about the places you have visited?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar:</u>	<i>Oral questions Oral Report Observation</i>	

			non-metallic materials	b) Identify the careers related to the processing and use of non-metallic materials. c) Have fun and enjoy the visit.	In groups, learners are guided to identify the careers related to the processing and use of non-metallic materials.		<u>Pre-Technical Studies Learner's Book Grade 7 pg. 63-65</u>		
11	1	Materials	Career related to the processing and use of non-metallic materials	By the end of the lesson, the learner should be able to: a) Discuss the careers related to the processing and use of non-metallic materials. b) Recognize careers related to the processing and use of non-metallic materials. c) Appreciate the careers related to the processing and use of non-metallic materials.	In groups, learners to discuss the careers related to the processing and use of non-metallic materials. As a class, learners to recognize careers related to the processing and use of non-metallic materials	Which careers are related to the processing and use of non-metallic materials?	KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 63-65 Charts Pictures Digital devices Computing devices	Oral questions Oral Report Observation	
	2	Materials	Discussion of a problem in the community	By the end of the lesson, the learner should be able to: a) Visit different areas in their community, school or homes. b) Identify the different problems in different places that require technical skills to solve. c) Enjoy the visitation.	As a class, learners are guided to visit different areas in their community, school or homes. In pairs or in groups, learners are guided to identify the different problems in different places that require technical skills to solve.	Which place have you visited?	Charts Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 65-66</u>	Oral questions Oral Report Observation	
	3	Materials	Discussion of a problem in the community	By the end of the lesson, the learner should be able to: a) Identify the problem that they intend to solve using the locally available materials. b) Discuss the problem they have identified. c) Have a desire to be a problem solver.	In groups, learners to identify the problem that they intend to solve using the locally available materials. In groups, learners to discuss the problem they have identified.	Which problem have you identified?	Pictures Digital devices Computing devices <u>KLB; Top Scholar: Pre-Technical Studies Learner's Book Grade 7 pg. 65-66</u>	Oral questions Oral Report Observation	
	4	Materials	Describe how a problem affect the	By the end of the lesson, the learner should be able to: a) Discuss how the problem they have identified affects people	In groups, learners to discuss how the problem they have identified affect people in the community, school or home.	How does the problem affect the community?	Charts Pictures Digital devices Computing devices	Oral questions Oral Report Observation	

