

EaD Comprehensive Lesson Plans



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BASIC 7

WEEKLY LESSON PLAN – WEEK 8

Strand:	Humans and the Environment		Sub-Strand:	Science and Industry	
Content Standard:	B7.5.3.1 Realize how careers in science can improve life of humans and research about Ghanaian and internationally recognized scientists and science educators and model after them				
Indicator (s)	B.7. 5.3.1.1 Discover and explain how careers in science can improve human conditions and relate these careers to the work of great national and international scientists and science educators		Performance Indicator: Learners can identify careers in Science.		
Week Ending	18-08-2023				
Class	B.S.7	Class Size:		Duration:	
Subject	Science				
Reference	Science Curriculum, Teachers Resource Pack, Learners Resource Pack.				
Teaching / Learning Resources	Poster, Power Point Presentation, Video.		Core Competencies:	<ul style="list-style-type: none">• Digital Literacy• Critical Thinking and Problem Solving• Communication and Collaboration.	
DAY/DATE	PHASE 1 : STARTER	PHASE 2: MAIN			PHASE 3: REFLECTION
MONDAY	Learners brainstorm to identify various careers in science.	<div>1. Assist Learners to relate careers in science to the work of national scientist.</div> <div>2. Discuss with Learners how careers in science can improve human conditions.</div> <div>3. Learners brainstorm to identify examples of national and international Scientist.</div> <div>Careers in science<ul style="list-style-type: none">• Machine learning engineer.• Geologist.• Physicist.• Data analyst.• Chemist.• Software engineer.• Research scientist.• Web developer.</div>			<div>Assist Learners to role play on careers in Science.</div> <div>Exercise;<ul style="list-style-type: none">1. Write 4 careers in Science.2. Describe 3 ways careers in Science can improve our lives.</div>

		<p>How does careers in science improve our lives?</p> <ol style="list-style-type: none"> 1. It contributes to ensuring a longer and healthier life 2. monitors our health, 3. provides medicine to cure our diseases 4. alleviates aches and pains, helps us to provide water for our basic needs – including our food 5. provides energy and makes life more fun including sports, 6. music  <p>Ghana national scientists;</p> <ol style="list-style-type: none"> i. rof. Ibok Nsa Oduro ii. Prof. Francis Allotey Professor Ewurama Addy iii. Professor Anamuah-Mensah iv. Professor Theophilus Ossei-Anto v. Professor Christian Anthony-Krueger 	
THURSDAY	Learners brainstorm to identify the impact of Science in their Community.	<ol style="list-style-type: none"> 1. Show to Learners Poster and pictures of Scientific products and materials. 2. Discuss with Learners on the impact of science and technology and innovation in homes, schools and community. 3. Learners in small groups to discuss and report to the class on the importance of applying scientific knowledge in their daily lives. 	<p>Through questions and answers, conclude the lesson.</p> <p>Exercise;</p> <p>Outline the impact of Science and technology in;</p> <ol style="list-style-type: none"> i. Home ii. School iii. Community.

		<p>Positive Impact of Science and Technology;</p> <ul style="list-style-type: none"> • Technology has Improved the Healthcare Industry • Technology Has Improved Education and Learning Process • Influence of Technology on Transportation • Technologies Changing Agriculture • Technology is Revolutionizing the Energy Sector <p>Negative Impact of Science and Technology;</p> <ul style="list-style-type: none"> • Technological Advancements in the field of Industrialization is creating Pollution • Health problems caused by Technology • Technology's Influence on Climate Change • Technology is architecting warfare • Family relations badly affected 	
FRIDAY	Discuss with Learners on examples of science and technology in everyday life.	<ol style="list-style-type: none"> 1. Using a Presentation, explain the classifications of science and technology. 2. Learners brainstorm to identify the roles of science and technology in the development of Ghana. 3. Discuss with Learners about the uses of technology in science. <p>science and technology classifications</p> <ul style="list-style-type: none"> • Mathematics. • Computer and information sciences. • Physical science. • Chemical sciences. • Earth and related Environmental sciences. • Biological science, (medical to be 3, and agricultural to be 4) • Other natural sciences. <p>In Ghana, technology has brought significant benefits to several areas, including:</p> <ol style="list-style-type: none"> 1. Agriculture: Technology has helped farmers to improve their productivity and profitability through the use of precision agriculture tools, such as GPS-based mapping and remote sensing. 	<p>Reflect on the roles of science and technology in the development of Ghana.</p> <p>Exercise;</p> <ol style="list-style-type: none"> 1. State 5 types of Science and Technology. 2. State 5 roles of Science and technology in the development of Ghana.

		<div>2. Healthcare: Technology has improved access to healthcare services, especially in remote and underserved areas, through telemedicine and e-health solutions.</div> <div>3. Education: Technology has enhanced learning outcomes and increased access to educational resources through online and mobile learning platforms.</div> <div>4. Financial Services: Technology has expanded access to financial services, such as mobile banking and online payment systems, especially for underserved populations. These are a few examples of how technology has transformed various sectors in Ghana and brought positive impacts to the lives of people.</div>	
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School:

District: