Fayol Inc. 0547824419

THIRD TERM

WEEKLY LESSON NOTES

WEEK 4

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| **Week Ending:** | | **DAY:** | | **Subject:** Social Studies | | | |
| **Duration:** 60MINS | | | | **Strand:** Socio-Economic Development | | | |
| **Class:** B9 | | **Class Size:** | | **Sub Strand:** Science & Technology | | | |
| **Content Standard:**  B9.5.4.1.Analyse the contribution of science and technology to national development | | | **Indicator:**  B9.5.4.1.1. Examine how science and technology can be used to promote development | | | | **Lesson:**  1 OF 2 |
| **Performance Indicator:**  Learners can describe the role of science and technology in the development of Ghana | | | | | **Core Competencies:**  Communication and Collaboration Critical Thinking and Problem Solving skills | | |
| **References:** Social Studies Curriculum Pg.102 | | | | | | | |
| **Keywords: Science and Technology, Agriculture, Healthcare, Infrastructure, Communication** | | | | | | | |
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| Phase/Duration | Learners Activities | | | | | Resources | |
| PHASE 1: **STARTER** | Ask learners if they know what science and technology are and how they impact their daily lives.  Discuss briefly what they think about the role of science and technology in the development of Ghana. | | | | |  | |
| PHASE 2: **NEW LEARNING** | Define science as the systematic study of the natural world and technology as the application of scientific knowledge to solve practical problems.  Discuss examples of how science and technology are used in Ghana, such as in agriculture, healthcare, and transportation.  Explain how science and technology have improved agricultural practices in Ghana, leading to increased food production and economic growth.  Discuss examples like improved crop varieties, irrigation systems, and mechanized farming techniques.  Describe the role of science and technology in improving healthcare services, including medical research, diagnostic tools, and telemedicine.  Highlight advancements such as vaccines, medical imaging devices, and electronic health records.  Discuss how science and technology have contributed to the development of infrastructure, such as roads, bridges, and communication networks.  Explain the impact of technology on communication, including mobile phones, the internet, and social media platforms.  Assessment   1. Define science and technology and give one example of each in Ghana's development. 2. Explain how science and technology have contributed to improving agriculture in Ghana. 3. Discuss the role of science and technology in healthcare and its impact on the well-being of Ghanaians. 4. Describe one infrastructure development or communication technology in Ghana and its benefits for society. | | | | | Pictures and Charts | |
| PHASE 3: **REFLECTION** | Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.  Take feedback from learners and summarize the lesson. | | | | |  | |

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| **Performance Indicator:**  Learners can examine the problems impeding the development of science and technology in Ghana | | | | | **Core Competencies:**  Communication and Collaboration Critical Thinking and Problem Solving | | |
| **References:** Social Studies Curriculum Pg.102 | | | | | | | |
| **Keywords: Problems, Promotion, Funding, Collaboration** | | | | | | | |
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| Phase/Duration | Learners Activities | | | | | Resources | |
| PHASE 1: **STARTER** | Ask learners if they have heard about the challenges faced in the development of science and technology in Ghana.  Encourage them to share their thoughts on why promoting science and technology is important for the country's progress. | | | | |  | |
| PHASE 2: **NEW LEARNING** | With the use of the Internet investigate and make presentations on the role of science and technology in the development of Ghana  Examine the problems impeding the development of science and technology in Ghana  Suggest ways of promoting science and technology in Ghana. 8. Project: Identify a problem in the school and use the knowledge acquired in science and technology to solve it  Discuss the challenges impeding the development of science and technology in Ghana, such as:   * Limited funding for research and development. * Lack of infrastructure and equipment for scientific experiments. * Insufficient skilled workforce in STEM (science, technology, engineering, and mathematics) fields. * Limited collaboration between academia, industry, and government.   Suggest ways to promote science and technology in Ghana, including:   * Increasing investment in research and development. * Improving STEM education and training programs. * Enhancing infrastructure for scientific laboratories and innovation centers. * Encouraging public-private partnerships for technology transfer and commercialization.   Assessment   1. List three challenges impeding the development of science and technology in Ghana. 2. Explain one way to improve STEM education in Ghana. 3. Discuss the importance of collaboration between academia, industry, and government for promoting science and technology. 4. Propose a solution to overcome the funding constraints in research and development for science and technology in Ghana | | | | | Pictures and Charts | |
| PHASE 3: **REFLECTION** | Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.  Take feedback from learners and summarize the lesson. | | | | |  | |