FAYOL INC. 0547824419

FIRST TERM

WEEKLY LESSON NOTES WEEK 6

Class: B8 Class Size: Sub Strand: Materials For Production	Week Ending: 17-02	2-2023 Day: Subject: Career Technol				ogy		
Content Standard: B8.2.2.1 Demonstrate understanding of properties of resistant materials Performance Indicator: Learners can describe the properties of building materials. Phase/Duration Phase/Duration Learners Activities PHASE 1: STARTER Recap with learners to find out what they already know about plastic, wood, metal, ceramics and glass. Share the performance indicators and introduce the lesson. PHASE 2: NEW LEARNING Guide learners to discuss the physical properties of resistant materials. E.g., density, fusibility, electrical conductivity, thermal conductivity Have learners investigate the working properties of resistant materials; E.g., strength, hardness, toughness, malleability, ductility, elasticity, etc. Make a chart on the various properties of resistant materials. E.g. Physical Properties Density Fusibility Working Properties Density Fusibility Working Properties Density Fusibility Working Properties Density Fusibility Working Properties Density Fusibility PHASE 3: Use peer discussion and effective questioning to find out	Duration: 60MINS				Strand: M	oduction		
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Sand is a granular material composed of finely divided mineral particles. Show learners samples of sand discuss their characteristics.		Brainstorr building. E Brainstorr material. A cement is that sets, how lear characteri	m learners to a.g. cement, so a learners to a binder, a condens and a mers samples stics. Learners to a learners to a learners samples stics. Learners to a learners samples stics. Learners to a l	describe cemental substantial composed of	e materials nent as a butter and a second for materials the second for secon	uilding or construction o bind them		

	 Sand Grains should be sharp, strong and angular Should not contain any hygroscopic salts Should not contain clay and slit; usually 3-4% clay and slit is ordinarily permitted for practical reasons. There should be no organic matter. Have learners identify other building materials and discuss
	their properties in relation to construction. Guide learners use this building materials to erect a two coarse block work.
	Have learners discuss reasons for choosing a type of material for a building project. E.g., Cement binds aggregates (sand and stone) in making mortar and concrete
	Prepare a chart on properties of building materials. Present chart for appraisal
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.
	Ask learners how the lesson will benefit them in their daily lives.