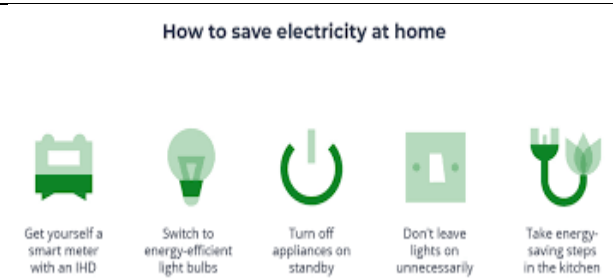
WEEK ENDING.....30/09/2022.....

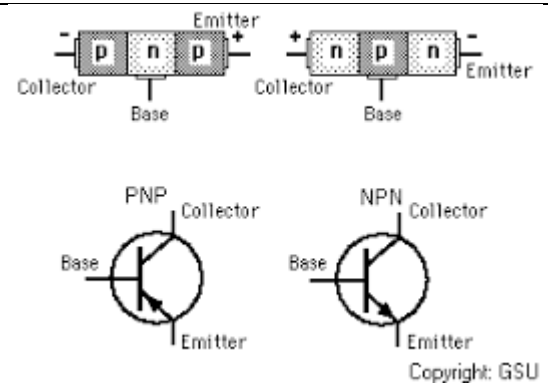
SUBJECT...INTEGRATED SCIENCE

REFERENCE...SYLLABUS(CRDD,2007), SCIENCE FOR JHS .....

FORM.....BASIC 8.....WEEK.....3.....

DAY/DURATION	***TOPIC/SUB-TOPIC/ASPECT***	***OBJECTIVES/R.P.K***	***TEACHER-LEARNER ACTIVITIES***	**T/L MATERIALS**	**CORE POINTS**	**EVALUATION AND REMARKS**
TUESDAY **27-09-2022** **1:20PM – 2:40PM** **80min**	**Topic;** Electrical Energy **Sub-Topic;** Ways of conserving Electric Energy.	By the end of the lesson the Pupil will be able to: explain ways of conserving electrical energy. **RPK** Pupils have been using electric appliances at home.	**Introduction;** Review Pupils knowledge on the previous lesson. **Activities;** 1. Guide Pupils to identify ways of conserving electric energy at home. 2. Pupils brainstorm to explain ways conserving electric energy at work places.	**Battery, Switch, led bulb, Wire, Pictures.**	 **Ways of Conserving Electric Energy;** • Turn off unnecessary lights. • Use natural light. • Use task lighting. • Take shorter showers. • Turn water off when shaving, washing hands, brushing teeth. • Fix that leaky faucet. • Unplug unused electronics. • Ditch the desktop computer.	**Exercise;** 1.State 5 ways of conserving Electric Energy 2. Explain 4 importance of conserving electric energy.

			3. Pupils in groups to discuss the importance of conserving electric energy. **Closure;** Through questions and answers, conclude the lesson.			
THURSDAY **29-09-2022** **8:05AM – 9:15AM** **70min**	Topic; Basic ELectronics Sub-Topic; Compositions and types of Transistors.	Objective; By the end of the lesson, the Pupil will be able to; describe the composition and types of transistors RPK. Pupils can identify a transistor since they taught about transistors at basic 7.	Introduction; Pupils brainstorm to explain the meaning of a transistor. Activities; 1. Assist Pupils to identify the two P-N junctions of a transistor. 2. Discuss with Pupils about the meanings of Emitter lead(e),		**Compositions of a transistor;** Transistors have three main parts. 1. Emitter (negative lead); they emit free electrons into the base. 2. Base; the passes most of the injected electrons to the collector. 3. Collector (positive lead); they take electrons from the base.	Exercise; 1.Explain the following; i. Emitter ii. Base iii. Collector 2. Explain the types of a transistor. **REMARKS**

			Base lead(b) and Collector lead(c). 3. Assist Pupils to explain the types of transistors. Closure; Through questions and answers, conclude the lesson.		 **Types of a Transistor;**  1. bipolar transistors (bipolar junction transistors BJTs) 2. field-effect transistors (FETs) 3. insulated-gate bipolar transistors (IGBTs).	