GRADES 1 to 12 DAILY LESSON LOG	School:		Grade Level:	
	Teacher:	Depedtrends.com	Learning Area:	
	Teaching Dates and Time:		Quarter:	

I. OBJECTIVES	
A. Content Standards	The learners demonstrate an understanding of the characteristics of light.
B. Performance Standards	The learners shall be able to suggest proper lighting in various activities
C. Learning Competencies Write the LC code for each	Relate characteristics of light such as color and intensity to frequency and wavelength. **S7FE – IIIf-10**
D. Learning Objectives	Construct a spectrum wheel; Relate characteristics of light such as frequency and wavelength.
II. CONTENT	**Characteristics of Light ; Frequency and Wavelength**
III. LEARNING RESOURCES	
A. References	
1. Teacher's Guide pages	221-223
2. Learner's Materials pages	222-225
3. Textbook pages	
4. Additional Materials from Learning Resource (LR)portal	
B. Other Learning Resources	
IV. PROCEDURES	
A. Reviewing previous lesson or presenting the new lesson (2 mins.) elicit	What are Electromagnetic Waves? Can you give an example?
B. **Establishing a purpose for the lesson (1 min.) Engage**	Brainstorming: Are you familiar of a Spectrum Wheel? If yes, what is it used for? What information does it provide?
C. Presenting examples/ instances of the new lesson Explore (2-5 mins.)	Group Activity Perform Activity 2 Part 1: "My Spectrum Wheel" (LM pages 226-228) Key Question: What concepts/information does your Spectrum Wheel contain?
D. **Discussing new concepts and practicing new skills #1 Explain (15 mins.)**	Perform Activity 2 Part 2: "Characteristics of Light" (LM page 229) Key Questions: 1. How are frequency and wavelength related? 2. What have you observed with the product of frequency and wavelength in the different spectra? 3. How is energy related to frequency?
E. Discussing new concepts and practicing new skills#2 (10 mins.)	Present a Powerpoint about the Characteristics of Light: Frequency and Wavelength
F. Developing mastery (Leads to Formative Assessment 3)	Ask Me….I will Answer You! (The class will be divided into 2 groups. One group will ask question, the other group will give an answer and vice versa)

(12 mins.) **Elaborate**	1. What is the Spectrum Wheel used for? 2. What concepts does it provide? 3. How is frequency related to wavelength? 4. How are energy and frequency related?
G. Finding practical applications of concepts and skills in daily living **(3 mins.)**	Relate frequency and wavelength by making a general statement. Ex. The longer the wavelength, the lower the frequency.
H. Making generalizations and abstractions about the lesson **(3 mins)**	React On This! Pregnant women are not advised to undergo X-ray examination. Why?
I. Evaluating learning **(8 mins)**	Questions on Developing Mastery will serve as Formative Assessment.
J. Additional activities for application or remediation **(1 min)**	Research on the benefits and harmful effects of Gamma Ray as an Electromagnetic Wave with the highest frequency.
V. REMARKS	
VI. REFLECTION	
A. No .of learners who earned 80% on the formative assessment	
B. No. of learners who require additional activities for remediation.	
C. Did the remedial lessons work? No. of learners who have caught up with the lesson.	
D. No .of learners who continue to require remediation	
E. Which of my teaching strategies worked well? Why did these work?	
F. What difficulties did I encounter which my principal or supervisor can help me solve?	
G. What innovation or localized materials did I use/discover which I wish to share with other teachers?	

Prepared by:

Checked by

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Teacher

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School Head

Observed by:

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