



دولة الإمارات العربية المتحدة وزارة التربية والتعليم دائرة التعليم والمعرفة المجلس التعليمي رقم 4 نطاق 6 مدرسة أم الفضل بنت الحارث

Independent learning

Session	Date	C	Class	7F
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Objectives:

- 1. Identify the properties and uses of electromagnetic waves
- 2. 21st century skills: Collaboration communication skills

Assessment:

Q1: Choose the most correct answer:

- 1. All electromagnetic waves are.....
 - a. Mechanical
- b. Transverse
- c. Longitudinal
- d. all the above

- 2. The speed of light is.....
 - a. 300 km/hr
- b. 300 m/s
- c. 300 million m/s
- d. 300 million
- 3.have the most energy [the highest frequency]
 - a. Radio waves
- b. X-rays
- c. Ultraviolet
- d. Gamma rays

Q2: Match each wave with its application

Wave	Uses				
Radio waves	Astronomers use it to study the universe	-			
Microwaves	Help us to see. It is captured by camera				
Infrared	Detect metals and help us to cook the food quickly	4 . 18			
Ultraviolet	Detect distant objects like stars. Also use for broadcasting				
Visible light	Kill bacteria, so it is used to clean water and air				
X-Rays	Help sterilization of food. It is also used to treat cancer	E			
Gamma rays ●	Taking picture of inside body				