Weekly planner **Week-14**

Subject: Physics (0625) **Name of the faculty: S.M Tanvir**

Grade-8

Day: Tuesday to Thursday Date: 10/11/24 to 14/11/24	**Learning objectives and Outcomes**: ✔ Revision on Chapter 8	**Tools and resources**	***Special remarks***
Day-01	**Ice breaking-Chapter-5** (5 minutes) **Interactive Polling:** The session will be conducted by asking the students about the Work and power. **Development activities-** (30 minutes) **Interactive session**: The following formula will be revised and mathematics problems will be solved. **Work:W=F×d** (Work is done when a force acts on an object and moves it over a distance). **Power: P= W/t** (Power is the rate at which work is done, measured in watts). **Work Done (gravitational potential energy): W=m×g×h** (Where m is mass, g is the acceleration due to gravity, and h is height). **ii. Different** mathematical problem will be given to find the power, work-done and potential energy. **iii. Closing activities-** (5 minutes) **What Went Well**: Encourage student engagement and participation through active problem-solving and discussion. **Improvement for Next Time**: Based on student performance, consider adjusting the complexity of the problems or incorporating more real-life examples of work and power.		

Day-02	**Ice breaking-Chapter-5** (5 minutes) **Interactive Polling:** The session will be conducted by asking the students about the previous lesson. **Development activities-** (30 minutes) **Interactive session**: **Recap through Group Activity:** **Example Problem 1 (Work):** A person pushes a box with a force of 50 N over a distance of 10 meters. How much work is done? **Example Problem 2 (Power):** If the person in the previous example does the work in 20 seconds, what is their power output? **Example Problem** 3 (Work Done/Gravitational potential energy): A 5 kg object is lifted to a height of 3 meters. Calculate the work done on the object. Activity Instructions: Each group will solve their problem, and once done, they will share their answers and reasoning with the class. **Closing activities-** (5 minutes) Facilitate a brief reflection on the key concepts learned. Ask students to share one thing they found interesting or challenging. Address any remaining questions and provide a preview of the next lesson.	Text Book Marker Board Video clips Worksheets	
Day-03	**Ice breaking-Chapter-5** (5 minutes) **Interactive Polling:** The session will be conducted by asking the students about the review of the exam style questions. **Development activities-** (30 minutes) **Interactive session**: **Case Studies:** Reviewing the exam style question. **Closing activities-** (5 minutes) Facilitate a brief reflection on the key concepts learned. Ask students to share one thing they found interesting or challenging. Address any remaining questions and provide a preview of the next lesson.		

Differentiation: By content / Process/ Product/Environment/Class performance.	**Home work:**	**Assessment tools & strategies:** Formative assessment

		Reflection (if any):