

**AUM SUN PUBLIC SCHOOL**  
**WEEKLY SYLLABUS OF JULY SESSION (2024-25)**  
**CLASS-XI (SCIENCE)**

**SUBJECT- PHYSICS**

<b>S.NO</b>	<b>CHAPTER NAME</b>	<b>DESCRIPTION</b>	<b>WEEK</b>	<b>ASSIGNMENT</b>
1.	Ch-4 Laws of motion	Friction, types of friction, laws of friction, circular motion, centripetal force, motion on a banked road, motion of cyclist	Week 1	<b>Numericals</b>
2.	Ch-5 Work, energy & power	Constant force and variable force, kinetic energy, work energy theorem, power, notion of potential energy, potential energy of a spring, conservative & non conservative forces, motion in a vertical circle, elastic and inelastic collisions	Week 2	
3.	Ch-6 System of particles & rotational motion	Centre of mass, momentum conservation and centre of mass motion and rigid body and uniform rod, moment of force, torque, angular momentum and its laws and applications, rigid body, inertia	Week 3	
4.	Ch-7 Gravitation	Kepler's law, universal law of gravitation, acceleration due to gravity, gravitational potential energy, escape speed, orbital velocity of a satellite.	Week 4	

**SUBJECT- CHEMISTRY**

<b>S.NO</b>	<b>THEORY</b>	<b>PRACTICAL</b>	<b>WEEK</b>
1.	Classification of elements and Periodicity in properties	Volumetric Analysis	Week 1 & 2
2.	Chemical Bonding and molecules structure	Salt analysis	Week 3 & 4

**SUBJECT- PHYSICAL EDUCATION**

<b>S.NO</b>	<b>CHAPTER NAME</b>	<b>DESCRIPTION</b>	<b>WEEK</b>	<b>ASSIGNMENT</b>
1.	Unit IV Physical Edu. and sports for CWSN	Concept of disability and disorder, types of disability, aim and objective of adaptive physical edu., role of various professionals for CWSN	Week 1 to 4	