



## Personal Achievement Targets (PATs)

*For the month of May*

### Class 8

#### Subject: Computer

S.N	Lesson / Topic	Learning Achievement Targets
1	<b>Cha. No. 14 - Computer Number System</b>	<ul style="list-style-type: none"><li>➤ To convert decimal numbers into Hexadecimal number and Vice versa</li><li>➤ To convert decimal numbers into octal number and Vice versa</li><li>➤ To convert binary numbers into octal number system and Vice versa</li><li>➤ To convert binary numbers into Hexadecimal number and Vice versa</li><li>➤ To perform binary operation: addition, subtraction, multiplication and division.</li></ul>
2	<b>Cha. No. 13 - Network Technology</b>	<ul style="list-style-type: none"><li>➤ To introduce computer network and its importance.</li><li>➤ To explain network components and different network services: internet and www.</li></ul>
3	<b>Cha. No. 19 - Introduction to Qbasic Languages</b>	<ul style="list-style-type: none"><li>➤ To Introduce QBASIC Language, its features and basic terms.</li><li>➤ To identify the use and syntax of basic statement of QBASIC.</li><li>➤ To practice some QBASIC programs.</li></ul>

#### Subject: English

Unit	Lesson / Topic	Learning Achievement Targets
1	<b>Giving, withholding and reporting permission</b>	<ul style="list-style-type: none"><li>➤ Able to know the way of greeting new people in different countries</li><li>➤ Able to get basic ideas about the clothing, food and drink, doing business and some extra tips from text of different countries</li><li>➤ Able to read the text intensively.</li><li>➤ Able to do the post reading activities.</li></ul>
2	<b>Reporting statements</b>	<ul style="list-style-type: none"><li>➤ Able to learn the debate</li><li>➤ Identify the reporting statements.</li><li>➤ Able to read the text and do the post reading activities</li></ul>
3	<b>Reporting Questions</b>	<ul style="list-style-type: none"><li>➤ Able to read the text carefully</li><li>➤ Identify the reporting questions</li><li>➤ Able to read the text and do the post reading activities.</li></ul>
4	<b>Reporting commands</b>	<ul style="list-style-type: none"><li>➤ Able to read the text on 'My Visit To France' intensively</li><li>➤ Identify how to report commands</li><li>➤ Able to do pre reading, while reading and post reading activities.</li></ul>

## Subject: Nepali

क.स	शिर्षक	उदेश्य तथा उपलब्धि
१	नेपाल (कविता)	<ul style="list-style-type: none"><li>कविता सस्वर वाचन गर्न</li><li>कविता को भाव बुझ्न सक्नेछन</li><li>कवितामा प्रयोग भएका कठिन शब्दको अर्थ बुझ्न र लेखन</li><li>कविता को पङ्क्ति व्याख्या गर्न सक्नेछन</li></ul>
२	शब्द वर्ग (व्याकरण)	<ul style="list-style-type: none"><li>वाक्यम प्रयोग भएका शब्दहरू पहिचान गर्न</li><li>रेखाङ्कित शब्दहरूको वर्ग छुट्टयाउन</li><li>परीक्षामा सोध्न सक्ने अभ्यास गर्न सकेछन्</li></ul>
३	कथा र जीवनी (सिर्जनात्मक अभ्यास)	<ul style="list-style-type: none"><li>कथा र जीवनी लेखन</li><li>पथमा प्रयोग भएका शब्दहरूको अर्थ बुझेर लेखन सक्नेछन</li><li>बुँदाका आधारमा कथा र जीवनी तयार गर्न सक्नेछन</li></ul>
४	पदसङ्गति (लिङ्ग, वचन, पुरुष)	<ul style="list-style-type: none"><li>पदसङ्गति मिलाई वाक्य परिवर्तन गर्न सक्नेछन</li><li>पुरुष, वचन, लिङ्गका आधारमा वाक्य शुद्धसंग लेखन सक्नेछन</li></ul>
५	भाग्य (कथा)	<ul style="list-style-type: none"><li>कथाम प्रयोग भएका कठिन शब्दहरूको अर्थ बुझ्न र लेखन सक्नेछन</li><li>पाठमा सोधिएका प्रश्नहरूको उत्तर लेखन सक्नेछन</li></ul>
६	देवकुमारी थापा (जीवनी)	<ul style="list-style-type: none"><li>पथमा प्रयुक्त शब्दहरूको अर्थ बुझेर लेखन</li><li>पाठका आधारमा विवेचनात्मकउत्तर लेखन सक्नेछन</li></ul>

## Subject: Math

S.N	Lesson / Topic	Learning Achievement Targets
1	<b>Algebraic expression</b>	<ul style="list-style-type: none"><li>➤ To find the degree of given expression.</li><li>➤ To substitute the value in given expression.</li><li>➤ To find the product of binomials.</li><li>➤ To expand the binomial formula.</li></ul>
2	<b>Laws of indices</b>	<ul style="list-style-type: none"><li>➤ Able to solve the given problem by the use of laws of indices.</li><li>➤ Able to use the laws for simplification.</li><li>➤ To find the values of unknown polynomials by the use of laws.</li></ul>
3	<b>Angles</b>	<ul style="list-style-type: none"><li>➤ To find unknown angles from given figure.</li><li>➤ To find the alternate , co-interior, and corresponding angles from given figure.</li><li>➤ To find the existence of above angles in given figure.</li></ul>
4	<b>Integers</b>	<ul style="list-style-type: none"><li>➤ To use the laws of BODMAS to simplify the given question.</li><li>➤ To express the given words problem in to mathematical expression and to solve it.</li></ul>

## Subject: Physics

S.N	Lesson / Topic	Learning Achievement Targets
1	<b>Measurement</b>	<ul style="list-style-type: none"><li>➤ To define measurement, fundamental and derived units</li><li>➤ To identify units of physical quantities in different measurement system</li><li>➤ To solve the numerical problems related to measurement</li></ul>
2	<b>Force and velocity</b>	<ul style="list-style-type: none"><li>➤ To define reference point, AV and relative velocity, acceleration and retardation.</li><li>➤ Solve simple numerical problems related to velocity and acceleration.</li><li>➤ Use the equation related to velocity and acceleration in solving the numerical problem.</li></ul>

## Subject: Chemistry

S.N	Lesson / Topic	Learning Achievement Targets
1	Chapter: Matter	<ul style="list-style-type: none"><li>➤ To state properties of electrons, protons and neutrons by showing model of atomic structure.</li><li>➤ To write molecular formula of compounds.</li><li>➤ To give general introduction of Mendeleev's Periodic Table.</li><li>➤ To define valency and find the valency of first 20 elements by the help of electronic configuration.</li><li>➤ To define atomic mass and atomic number and find the no. of electrons, protons and neutrons on these basis.</li><li>➤ To define and calculate molecular mass.</li><li>➤ To define chemical equations and reactions and write few chemical reactions in the form of word equation and chemical equation.</li></ul>

## Subject: Biology

S.N	Lesson / Topic	Learning Achievement Targets
1	Chapter: Living Beings	<ul style="list-style-type: none"><li>➤ To give general introduction of some microorganisms like bacteria, virus and fungi.</li><li>➤ To explain the structure and function of modified structure of parts of plants like roots, stem and leaves.</li><li>➤ To describe different methods of dispersal of seed.</li><li>➤ To explain the required conditions for the germinations of seeds and show and explain the three beans experiment.</li><li>➤ To demonstrate selection of seeds and state the functions of different parts of seeds.</li><li>➤ To explain the life cycle of flowering plants with examples.</li></ul>

## Subject: Social

S.N	Lesson / Topic	Learning Achievement Targets
1	<b>We, our community &amp; nation (lesson 1-7)</b>	<ul style="list-style-type: none"><li>➤ Understand 5 Dev. Regions of Nepal</li><li>➤ Know about the regional structure of Nepal</li><li>➤ Explain what is Regionalism and federalism along with their importance</li><li>➤ Learn importance and methods of water purifying.</li><li>➤ Tell about some recent development projects of Nepal</li><li>➤ Clarify the concept of skilled, semi-skilled and unskilled Human Resources.</li><li>➤ Draw bar charts</li><li>➤ Calculate population density of an area</li></ul>

## Subject: OBT

S.N	Lesson / Topic	Learning Achievement Targets
1	<b>Professional Education (lesson 1-7)</b>	<ul style="list-style-type: none"><li>➤ Identify the different levels of professions and their features</li><li>➤ Identify health related professions and their works</li><li>➤ Explain the importance of different medical professionals</li><li>➤ Introduce engineering and architecture, qualifications required and importance of these professions</li><li>➤ Define agricultural profession and list the functions of agricultural professions.</li><li>➤ Identify financial sector its qualifications and importance of an auditor and financial manager.</li><li>➤ Define Human Resources and its increasing demand in professionalism.</li><li>➤ Learn about teaching profession and the responsibilities of a teacher.</li></ul>

## Subject: HPE

S.N	Lesson / Topic	Learning Achievement Targets
1	Personal Hygiene	Able to learn the importance of personal hygiene able to know the physical aspects of adolescence Enlist the physical changes during adolescence Learn the ways to keep body healthy during adolescence
2	Nutrition	to define malnutrition and identify the disease caused by malnutrition marasmus, kwashiorker, anaemia, night blindness, scurvy and rickets able to learn the methods to select a balanced diet from locally available foods able to learn the disadvantages of packet (junk) food

## Subject: Moral Science

Unit	Lesson / Topic	Learning Achievement Targets
1	A Man of Character	<ul style="list-style-type: none"><li>➤ Able to know the meaning of peace, freedom and happiness</li><li>➤ Able to know the exact meaning of character.</li><li>➤ Able to know how to maintain peace and harmony in society.</li><li>➤ Able to know how rules play important roles in someone's life.</li></ul>

## Subject: O-Maths

S.N	Lesson / Topic	Learning Achievement Targets
1	Ordered Pairs	<ul style="list-style-type: none"><li>➤ Able to solve problems on Ordered pairs..</li><li>➤ Able to find Cartesian product.</li></ul>
2	Matrix	<ul style="list-style-type: none"><li>➤ Able to define and identify different types of matrices.</li><li>➤ Able to find values of variables used in equal matrices.</li><li>➤ Able to do different operations in matrices.</li></ul>

