AALAYA ACADEMY

GRADE 9 CURRICULUM (ACADEMIC SESSION:(2024 – 2025)

SUBJECT: ENGLISH

BOOK: NCERT TEXTBOOK – BEEHIVE
SUPPLEMENTARY READER – MOMENTS

MONTH	CONTENT	LEARNING OUTCOMES	ACTIVITIES
APRIL	LITERATURE – Topic:Unit-1.1: The Fun They Had MOMENTS Topic: M.1.The Lost Child. Modals, Determiners, Tenses.	To acquaint the students with a scientific story. ● To enable the students about Robots and Robotic teachers. ● To enable the students about a variety of Modern teaching aid**s** *To Recall and practice more exercises.	Grammar worksheets. Creative writing Dictionary tasks
JUNE	LITERATUREUnit-1.2 The Road Not Taken Unit – 2.1.The Sound of Music MOMENTS Topic: M.2 The Adventure of Toto Grammar: Adverbs, Conditions , to verb Writing Skill : Diary Entry **PERIODIC- 1**	*Understand that the decisions taken by people shape their lives. *Describe the dilemma of the poet and the poetic devices used in the poem. To get inspiration from the real life experiences of a differently abled person. To develop a love for literature in students.	Pg. 14 speaking Project work Discussion : Theme, Analysis - After you have made a choice do you always think about what might have been (a state of confusion), or do you accept the reality? Pg. 28 &29 Speaking and Writing.
JULY	UNIT 2.2. Wind UNIT3.1The Little Girl UNIT3.2- Rain on the Roof Grammar: Reported Speech MOMENTS Topic: M.3.Iswaran the storyteller M.4 In the kingdom of	To understand various poetic devices (repetition/ free verse/ metaphor) in the poem ● To know about the literature of other language (Tamil) To help them to exercise the message given in the poem in their life. To Understand about the changing attitude of a child towards their parents.	Pg.40 Speaking and Writing. Discussion: What values do you inculcate from the poem - Wind'?*The wind blows strongly and causes a lot of destruction. How can we make friends with it? *Think about the different forces present in nature, share what do they represent/ convey/ symbolise.

	fools Writing Skills:Descriptive Paragraph(person/ place/ event) **PERIODIC - II**	To admire the bliss of nature in the form of rain.	
AUGUST	UNIT4.1The Truly Beautiful maid UNIT4.2- The Lake Isle of Innisfree UNIT5.1The Snake and the Mirror UNIT5.2- The Legend of the Northland Grammar: Reported Speech, Participial Phrases MOMENTS Topic: M.5. The Happy prince Writing skills- Story writing	. To make the students conscious of the scientific invention and discoveries **.** Understand the culture, lifestyle and belief of the people living in the region.	Pg.63 Speaking and Writing.
SEPTEMBER	UNIT6.1My childhood UNIT6.2- No men are foreign Grammar : Subject – verb concord , Determiners. **HALF- YEARLY EXAM**	To instill values of generosity, kindness, humility and communal harmony among the children To understand the difficult words and phrases in the poem To understand the thought and imagination contained in the poem.	Pg.78, 79 Speaking and Writing.
OCTOBER	UNIT8.1Reach for the top UNIT8.2- On killing a tree UNIT10.1Kathmandu UNIT10.2- A slumber did my Spirit Seal MOMENTS Topic: M.7 The last Leaf.	To become caring towards others ·To comprehend the text .To learn/enrich vocabulary and its usage within appropriate context. To revise spellings containing silent letters To identify the poetic devices used in the poem. To know the culture and religion of Hindus and Buddhism. To make them understand that diary entries	Pg.108 , 109 & Speaking and Writing.

	PERIODIC- III	can form the basis of a travelogue.	
NOVEMBER	UNIT11.1If I were you MOMENTS Topic: M.8. A House is not a Home MOMENTS Topic: M.10. The Beggar Grammar: Reported speech	To understand some examples of wit and irony To enrich vocabulary and its usage within appropriate context. To make them understand the relationship between self-awareness, violation of personal space and helping behaviour. .	Pg.135 & 147 Speaking and Writing.
DECEMBER	**PRE BOARD – I** **PRE BOARD -II**		
JANUARY	**PRE BOARD – III** **PRE BOARD -IV**		
FEBRUARY	**PRE BOARD –V** **PRE BOARD -VI**		
MARCH	**YEARLY EXAMINATION**		

MONTH	CONTENT	LEARNING OUTCOMES	ACTIVITIES
APRIL	இயல்:1. உரைநடை: திராவிடமொழிக்குடும்பம் செய்யுள் 1: தமிழோவியம் செய்யுள் 2: தமிழ்விடு தூது இலக்கணம் : தொடர் இலக்கணம்	**மையக்கருத்தை எடுத்து உரைத்தல்,தமிழின் இனிமை,சொற்கள் புலப்படுத்தும் வரலாறு, பண்பாடு ஆகியவற்றை அறிதல். திராவிடமொழிக்குடும்பம் தமிழின் சிறப்பையும் பிறமொழிகளுடன் ஒப்பிட்டு அறிதல். தொடர் இலக்கணம் அறிதல்.**	எழுதுதல். பத்தியைப் படித்து வினாக்களுக்கு விடையளி.
JUNE	விரிவானம்: வளரும் செல்வம் இலக்கணம் : தொடர் இலக்கணம் இயல்:2. உரைநடை:நீரின்றி அமையாது உலகு செய்யுள் 1: பட்ட மரம் செய்யுள் 2: பெரியபுராணம் செய்யுள்3:புறநானூறு விரிவானம்:தண்ணீர் இலக்கணம் : துணைவினைகள் **PERIODIC-1**	**குறிப்புகளைக் கொண்டு கட்டுரை எழுதிப்பழகுதல். நீரின் இன்றியமையாமையை உணர்ந்து நீர்நிலைகளைப் பாதுகாத்தல்,கருத்தரங்கி ல் கருத்துகளை வெளிப்படுத்த அறிதல். கட்டுரைகள்,கதைகளைப் படித்துக் கருத்துகளைச் சுருக்கியும் விரித்தும் அறிதல்,துணைவினை களை முறையாகப் பயன்படுத்துதல்.**	**நீங்கள் வாழும் பகுதியில் மக்கள் பேசும் மொழிகளைப் பட்டியலிட்டு அம்மொழி பேசப்படுகின்ற இடங்களை நிலப்படத்தில் வண்ணமிட்டுக் காட்டுக. அறிஞர்களின் பொன்மொழிகளைத் தமிழில்மொழிபெயர்த்து எழுதுக. உணவாகும் மழை என்னும் தலைப்பில் விளக்கக் குறிப்புகளுடன் கூடிய படத்தொகுப்பை உருவாக்குக.**
JULY	இயல்:3. உரைநடை:ஏறுதழுவுதல் செய்யுள் 1: மணிமேகலை செய்யுள் 2: திருக்குறள் விரிவானம்:அகழாய்வு இலக்கணம் : வல்லினம் மிகும் இடம் **PERIODIC-2**	**தமிழர்களின் பண்பாடு அசைவுகளை உணர்ந்து பின்பற்றுதல். அறவுணர்வுகளை வெளிப்படுத்தும் வீர விளையாட்டென ஏறுதழுவுதலை ஏற்றல்.தொல்லியல் எச்சங்களைப் பாதுகாத்தல்.பாடல் நயம் அறிதல். வல்லினம் மிகும் இடமறிந்து பிழையின்றி எழுதுதல்.**	**தமிழ்நாட்டில் அகழாய்வு மேற்கொள்ளப்பட்ட இடங்கள் குறித்த செய்திகளை, நாளிதழ்களிலிருந்தோ புத்தகங்களிலிருந்தோ திரட்டிச் செய்திப் படத்தொகுப்பினை உருவாக்குக.**

AUGUST	இயல்:4. உரைநடை:இயந்திரங்களும் இணையவழிப் பயன்பாடும் செய்யுள் 1: ஓ, என் சமகாலத் தோழர்களே செய்யுள் 2: திருக்குறள் விரிவானம்:அகழாய்வு இலக்கணம் : வல்லினம் மிகா இடம் **கருத்துணர் பகுதி**	மின்னணு இயந்திரங்களின் தேவையையும் இணையத்தின் இன்றியாமையாமையை யும் அறிந்து பயன்படுத்துதல். தொல்காப்பியம் குறிப்பிடும் உயிர்களின் வகைப்பாட்டினை அறிவியல் செய்திகளோடு ஒப்பிடுதல்.நேர்காணலின் நோக்கமறிந்து ஏற்றவாறு வினாக்களை வடிவமைத்தல். பத்தியைப் படித்து கருத்துக்களை அறிந்துகொள்ளுதல், வாசித்தல் திறன் மேம்படுத்துதல். கட்டுரை எழுதும் பயிற்சி அறிவர்.	மின்சாரச்சேமிப்புப் பற்றிய விழிப்புணர்வு முழக்கத்தொடர்களை எழுதி வகுப்பறையிலும் பள்ளியிலும் காட்சிப்படுத்துக. எழுதுதல். பத்தியைப் படித்து வினாக்களுக்கு விடையளி.
SEPTEMBER	இயல்:5. உரைநடை:**கல்வியிற் சிறந்த பெண்கள்** செய்யுள் 1: குடும்ப விளக்கு செய்யுள் 2: சிறுபஞ்சமூலம் விரிவானம்:வீட்டிற்கோர் புத்தக சாலை இலக்கணம் :இடைச்சொல்-உரிச்சொல் **HALF-YEARLY REVISION AND EXAMINATION**	கல்வி,பெண்கள் முன்னேற்றத்தில் பெரும்பங்கு ஆற்றியுள்ளமையை உணர்ந்துபெண் கல்விக்குத் தம் பங்களிப்பை நல்குதல். பலவாறான இலக்கிய வடிவங்களின் வழி கருத்துகளைப் படித்து அறிதல். இடைச்சொல், உரிச்சொல் ஆகியவற்றை எழுதுதலில் முறையாகப் பயன்படுத்துதல். குறிப்புகளைக் கொண்டு கட்டுரை பயிற்சி எழுத அறிவர்.	பெண்கல்வி வளர்ச்சிக்கு உழைத்தவர்கள் பற்றிய செய்திப் படத்தொகுப்பினை உருவாக்குக.
OCTOBER	இயல்:6. உரைநடை:**சிற்பக்கலை** செய்யுள் 1: இராவண காவியம் செய்யுள் 2: நாச்சியார் திருமொழி விரிவானம்:செய்தி திருக்குறள் இலக்கணம் :புணர்ச்சி **கருத்துணர் பகுதி , கடிதம்.** விரிவானம்:செய்தி திருக்குறள் இலக்கணம் :புணர்ச்சி **கருத்துணர் பகுதி , கடிதம்.**	தமிழர் சிற்பக் கலையின் வரலாற்றுச் சிறப்பை போற்றுதலிலக்கியம் காட்டும் ஐவகை நிலங்களின் அழகை நுகர்ந்து அவற்றை விவரித்துளழுதுதல். சிறுகதை அமைப்பில் தமிழர் இசைக் கலையின் சிறப்பை உணர்தல். புணர்ச்சி இலக்கண அடிப்படைகளை அறிந்து பயன்படுத்தல், எளிய பாடல்களைச் சீர்பிரித்துப் படித்துப் பொருள் புரிந்து	சங்ககாலத்திலிருந்து தற்காலம் வரையுள்ள பெண் புலவர்களின் சில கவிதைகளைக் கொண்டு ஒரு கவிதைத் தொகுப்பு உருவாக்குக. உங்கள் மாவட்டத்தின் கலைநயன் மிக்க இடங்களின் சிறப்புகளைப் படங்களுடன் திரட்டிப் பள்ளியில்

		கொள்ளுதல்,பத்தியைப் படித்து கருத்துக்களை அறிந்துகொள்ளுதல், வாசித்தல் திறன் மேம்படுத்துதல்.	காட்சிப்படுத்துக. பத்தியைப் படித்து வினாக்களுக்கு விடையளி.
	PERIODIC-3		
NOVEMBER	இலக்கணம் , பொதுக்கட்டுரை, கடிதம், துணைப்பாடக்கட்டுரை திருப்புதல்		
DECEMBER	**PRE BOARD EXAM-1** **PRE BOARD EXAM-2**		
JANUARY	**PRE BOARD EXAM-3** **PRE BOARD EXAM-4**		
FEBRUARY	**PRE BOARD EXAM-5** **PRE BOARD EXAM-6**		
MARCH	**YEARLY REVISION AND EXAMINATION**		

AALAYA ACADEMY

GRADE 9 CURRICULUM (ACADEMIC SESSION: 2024

– 2025) SUBJECT: MATHS

BOOK: NCERT TEXTBOOK – MATHEMATICS

MONTH	CONTENT	LEARNING OUTCOMES	ACTIVITIES
APRIL	Chapter -1 – REAL NUMBERS 1.1 – Introduction 1.2 – Irrational numbers 1.3 – real numbers and their decimal expansion	Rational numbers and Irrational numbers are defined in this chapter One can learn the representation of the irrational number on the number line Moving forward students will learn about real numbers	A small activity on square root spiral. Representing rational numbers on the number line
	1.4 operations on real numbers 1.5 laws of exponents for real numbers Chapter -10 – HERON'S FORMULA 10.1 – Area of triangle by herons formula	and their decimal expansions. After that, operations on real numbers is discussed including rationalising the denominator. Laws of exponents for real numbers. area of the triangle using the height and base length. Area of a triangle- by Heron's formula. This formula uses all the sides of the triangle and semi-perimeter.	
MAY	Chapter -2 – POLYNOMIALS 2.1 – Introduction 2.2 – polynomials in one variable 2.3 – Zeroes of a polynomial 2.4 – Factorisation of polynomials	Starting with Polynomials in One Variable, the chapter will move further to the topic zeroes of a polynomial. Different types of polynomials and their degree are explained in this section. The next section	Verify the Algebraic Identity $(a+b)^2 = a^2 + 2ab+b^2$ Verify the Algebraic Identity $(a-b)^2 = a^2 - 2ab+b^2$

		explains the topic remainder theorem	
	2.5 Algebraic Identiites Chapter -3 – COORDINATE GEOMETRY 3.1 – Introduction 3.2 – Cartesian System	Students will study the remainder theorem and factor theorem. Some more algebraic identities will be discussed. Their use in factorisation and in evaluating some given expressions will also bediscussed.Factorisation of polynomials including splitting middle term and factor theorem.Algebraic identities.8 identities are discussed in this section.how to locate a point on the coordinate plane. The next section is about the	
		Cartesian system and related aspects like xy - plane, quadrants, origin, abscissa, ordinate. After that topic- Plotting a point in the plane if its coordinates are given is discussed.. Activity is also given in this section to make the topic more interesting.	Verify that if Two Lines Intersect each Other Find the Values of Abscissae Find a Hidden Picture by Plotting
JUNE	Chapter – 4- LINEAR EQUATIONS IN TWO VARIABLES 4.1 – Introduction 4.2 – linear equation 4.3 – Solution of a linear equation	Linear equations in one variable have a unique solution. students will learn about linear equations in two variables.. The next part of the chapter deals with	

	Chapter -5 – INTRODUCTION TO EUCLID'S GEOMETRY 5.1 – introduction 5.2 – Euclid's Definitions, Axioms and Postulates **PERIODIC - I**	solution of linear equation. A linear equation in two variables has infinitely many solutions. Moving ahead students will find a detailed description about the topic- Graph of a linear equation in two variables. A degree one, polynomial equation will be referred to as linear equation as it will form a straight line. Last section deals with the topic- Equations of lines parallel to the x - axis and y - axis. Definitions, Axioms and Postulates are given. Equivalent Versions of Euclid's Fifth Postulate.	
JULY	Chapter -6 – Lines and Angles 6.1 – Introduction 6.2 – basic Terms and Definitions 6.3 – Intersecting lines and Non – Intersecting lines 6.4 – pairs of Angles 6.5 – lines parallel to the same line Chapter -7 – TRIANGLES 7.1 – Introduction 7.2 – Congruence of Triangles 7.3 – Criteria for Congruence of Triangles	students will study the properties of the angle formed when two lines intersect each other and properties of the angle formed when a line intersects two or more parallel lines at distinct points. Intersecting Lines and Non-Intersecting Lines. Parallel Lines and a Transversal. students will find a detailed description on Lines Parallel to the Same Line Another important topic discussed in this chapter is Angle Sum Property.	Verify Exterior Angle Property of a Triangle

	7.4 – Some properties of a Triangle 7.5 – Some more criteria for congruence of triangles **PERIODIC - II**	A closed figure formed by three intersecting lines is called a triangle. students will study in detail about the congruence of triangles, rules of congruence, some more properties of triangles and inequalities in a triangle. SAS(Side-Angle-Side), ASA(Angle-Side-Angle), AAS(Angle-Angle-Side), SSS(Side-Side-Side), RHS(Right angle-Hypotenuse-Side) congruence rule are some of the congruence criteria. Three theorems are explained through two activities	Verify the Different Criteria for Congruency of Triangles Verify that in a Triangle, Longer Side has the Greater Angle
AUGUST	Chapter – 8 – QUADRILATERALS 8.1 – Properties of parallelogram 8.2 – Mid –point theorem Chapter – 9 – Circles 9.1- Angle subtended by a chord at a point 9.2 – Perpendicular from the centre to a chord 9.3 – Equal chords and their distances from the centre 9.4 – angle subtended by an arc of a circle 9.5 – Cyclic quadrilaterals	A quadrilateral has the following properties: 1. Four sides 2. Four angles 3. Four vertices Angle Sum Property of a Quadrilateral. Types of quadrilaterals like parallelogram, square, kite, trapezium, rectangle Properties of a Parallelogram, Mid-point Theorem and its converse Circles and Its Related Terms like minor and major arc, minor and major segment, minor and major sector of a circle are discussed.	Verify that the Sum of the Angles of a Quadrilateral is 360° Find the Formula for the Area of a Trapezium Verify that the Parallelograms on the Same Base Verify that the Triangles on the Same Base Verify that the Ratio of the Areas of a Parallelogram Verify that the Angle Subtended by an Arc of a Circle Verify that the Angles in the Same Segment of a Circle are Equal Verify that the Opposite Angles of a Cyclic

| | | Subtended by a Chord at a point.

Perpendiculars Drawn from the Centre to a Chord

Circle through Three Points or circum circle. Equal Chords and Their Distance from the Centre.

Angle Subtended by an Arc of a Circle and Cyclic Quadrilaterals. | Quadrilateral |
|---|---|---|---|
| SEPTEMBER | Chapter 11- SURFACE AREA AND VOLUMES

11.1 – Surface area of a right circular cone

11.2 – Surface area of a sphere

11.3 – Volume of a right circular cone

11.4 – Volume of a sphere

HALF-YEARLY EXAMINATION | Students will learn about the surface area of cone, sphere, and hemisphere.

Students will also learn to find out the volume of a right circular cone. of a sphere and hemisphere. | Find the Relationship among the Volumes of a Cone

Obtain the Formula for the Surface Area of a Sphere |

OCTOBER	Chapter-12 – STASTICS 12.1 – graphical representation of data **PERIODIC- III**	Collection of Data.Presentation of Data. Here students will come across terms like raw data, range, frequency, ungrouped frequency distribution table, tally marks, class limits etc. In this topic, students will find solved examples to make the concept more comprehensible.After that, the Graphical Representation of Data is explained. They include: a. Bar graphs b. Histograms of uniform width, and of varying widths c. Frequency of polygons	Draw Histograms for Classes of Equal Widths and Varying Widths

NOVEMBER	**ONE MARK, TWO MARK, CASE BASED QUESTIONS REVISION**		
DECEMBER	**PRE BOARD EXAM-1 PRE BOARD EXAM-2**		
JANUARY	**PRE BOARD EXAM-3 PRE BOARD EXAM-4**		
FEBRUARY	**PRE BOARD EXAM-5 PRE BOARD EXAM-6**		
MARCH	**ANNUAL EXAMINATION**		

GRADE IX CURRICULUM (ACADEMIC SESSION: 2024 – 2025)
SUBJECT: SCIENCE
BOOK: NCERT TEXTBOOK – SCIENCE

MONTH	CONTENTS	LEARNING OUTCOMES	ACTIVITIES
April	**CHAPTER 1** **MATTER IN OUR SURROUNDINGS**	To enable students to 1)Define matter 2) Classify matter on the basis of physical and chemical properties of matter. 3) Understand the characteristic of particles of matter. 4) Classification of matter into solid, liquid and gases on the basis of their physical properties. 5)Know various scales of measuring temperature 6) Understand the effect of change of temperature and pressure on different states of matter.	1.To perform an activity to show various characteristics of particles of matter like : a) Particles of matter have spaces between them. b)Particles of matter are very small c) Particles of matter are continuously in motion. 2.To determines melting point of ice and boiling point of water. 3. To study the process of diffusion.
MAY	**CHAPTER 5 FUNDAMENTAL UNIT OF LIFE**	1) To make them learn and understand about cell and structural organization of cell. 2) To enhance the ability to comprehend the role and importance of different organelles present in the cell. 3) To enhance the ability to understand the mechanism of different organelles with reference to their importance in vital role of life	To prepare stained temporary mounts of onion peel and to record observation and draw their labelled diagrams. To observe the result of hypertonic solution the concept of plasmolysis will be explained to the students.
JUNE	**CHAPTER 7 MOTION**	Student must able to : 1.Understand the difference between displacement and distance. 2.Understand the uniform and	1.Take a meter scale and a long rope. Walk from one corner of a basket ball court to its opposite corner along its sides. Measure the

		non-uniform motion. 3.To represent graphically motion of any object. 4. To understand the difference between Velocity and speed. 5.To understand the concept of uniform circular motion 6. To understand the concept of uniformly accelerated motion	distance covered by you and magnitude of the displacement. What difference would you notice between the two in this case? 2.Numerical problems of related content
CHAPTER 2 IS MATTER AROUND US PURE?			
CHAPTER 8 FORCE AND LAWS OF MOTION? **PERIODIC – 1**		To enable the students to: 1)Know about pure and impure substances. 2)Classify pure substances as element and compound. 3)Classify mixture into homogeneous and heterogeneous substances 4) Illustrate the properties of true solution, colloidal solution and suspension. 5) Illustrate Tyndall effect and its applications. 6) Understand the various techniques to separate the components of mixture. 7) Understand the difference between physical and chemical changes. 8) Differentiate between element, compound and mixture.	1.To differentiate between true solution, colloidal solution and suspension on the basis of : i) Homogeneous and heterogeneous nature ii) Filterability iii) Stability 2.To separate mixture of salt and ammonium chloride by sublimation. 3. To study the various physical and chemical techniques to remove calcium and magnesium salt from water.
		1.Understand about types of forces i.e. balanced and unbalanced forces 2.Understand the concept of inertia and its type. 3. Understand the keys of Newton's laws. 4.Understand the concept of momentum and impulse and their applications. 5. To understand application of all the three laws in our daily life. 6. Understand the concept and types of collision.	To study the roll of friction take two different balls one with smooth surface and other of rough. Using inclined plane. 2. To just verify the concept of Newton's third law.

JULY	**CHAPTER 6 TISSUES** **CHAPTER 3 ATOMS AND MOLECULES**	To make them learn and understand about tissues and structural organization of different tissues 2) To enhance the ability to analyses the role and importance of different tissues present in plants and animals. 3) To make them share their opinion on simple and complex tissues. 4).To evaluates different function of tissues depending on their location and structure.	1.To observe permanent slides of different permanent tissues like parenchyma, collenchyma, sclerenchyma, Xylem and phloem. They will draw and their labelled diagrams. 2.To identify striped, unstriped, cardiac, nerve tissue from prepared slides and draw their labelled diagrams.
AUGUST	**CHAPTER 9 GRAVITATION** **PERIODIC 2** **CHAPTER 12 IMPROVEMENT IN FOOD RESOURCES**	The students will be able to 1) Understand various laws of chemical combination 2) Solve the numerical based on law of conservation of mass and law of constant proportion 3) Perform an experiment to verify law of conservation of mass. 5) Understand the postulates of Dalton atomic theory. 6)Differentiate between molecule of element and molecule of compound. 7)Understand formula formation by using criss cross method.	1)To verify law of conservation of mass practically. 2)Discussion on the fact that element combine in the fixed proportion through various examples. 3) To make the formulae of chemical compounds by criss cross method.
	CHAPTER 4 STRUCTURE OF THE ATOM **CHAPTER 10 WORK AND**	The students will be able to 1.Understand the concept of Newton's universal law of gravitation. 2.Understand the concept of free fall and acceleration due to gravity. 3.Understand the meaning and concept of mass and weight. 4.Differentiate between mass and weight. 5. Differentiate between the acceleration due to gravity and universal gravitation constant. 6.Understand the concept of pressure and thrust.	Numerical problems of related content

	ENERGY	Students will be able to: know different types of crops like kharif and rabi and understand about micro and macro nutrients and about manures and fertilizers Analyze different cropping patterns like- Mixed, crop rotation, inter, organic farming. Share their opinion on improvement of crop variety. Explore their critical thinking by studying the importance of plant breeding.	To make a list of Rabi, Kharif and Zaid crops with their growing and harvesting season. class will be divided in a group of 7 following a star topology- Talking point will be given on cropping pattern will be conducted. It will be recorded and presented by the group leader. News analysis:- search a news on latest innovations in agricultural practices and crop production and analysis it according to understanding.
		To enable the students to : 1) Understand the discharge tube experiment and discovery of electron, proton and neutron. 2) Understand the characteristics of anode rays and cathode rays. 3) Describe Thomson model , Rutherford model and Bohrs model of an atom 4) Represent an atom with the help of symbols. 5) Write the configuration of atom. 6) Define the terms isotopes and isobar 7)Calculate average atomic mass of an atom 8) Determine the valency of an element.	1) To make the static models displaying electronic configurations of first eighteen elements. Activity 2: Discussion on the topic:The problem of energy can be solved by using nuclear fuels.
		Student will be able to ☐ Define the concept of work and its type. ☐ Understand the concept of energy and its type. ☐ Identify different forms of energy in our surrounding.	Showing them work done against frictional force inclined plane. ☐ Showing work done against gravitational force. ☐ Identify different types of work in various situation.

SEPTEMBER	**CHAPTER 11 SOUND**	Students will be able to learn · Concept of sound and its propagation. · The meaning and concept of frequency, wavelength, time period. · Concept of loudness and pitch. · The meaning of intensity of sound	· Verify the law of reflection of sound. · Calculation of pitch, loudness wavelength numerical problems. · Identify types of waves in different situation.
	HALF YEARLY	**REVISION AND ASSESSMENT**	
OCTOBER	**PERIODIC - 3**	**REVISION AND ASSESSMENT**	
NOVEMBER	**REVISION TEST**	**REVISION AND ASSESSMENT**	
DECEMBER	**PRE BOARD – I PRE BOARD – II**	**REVISION AND ASSESSMENT**	
JANUARY	**PRE BOARD – III PRE BOARD – IV**	**REVISION AND ASSESSMENT**	
FEBRUARY **MARCH**	**PRE BOARD – V PRE BOARD – VI ANNUAL EXAMINATION**	**REVISION AND ASSESSMENT**	

MONTH	CONTENT	LEARNING OUTCOMES	ACTIVITIES
APRIL	History and the changing World	To Recall the past of the world history.	Write about any historical personalities.
JUNE	HISTORY SECTION : 1 Events and Processes Unit I : The French Revolution	• The students will be able to infer how the French Revolution had an impact on the European countries in the making of nation states in Europe and elsewhere.	Classroom discussions to compare the conditions that prevailed in France that led to revolution and the conditions that led to the first war of Indian Independence. (1857).
	CIVICS CHAPTER 1: What is Democracy? Why Democracy?	• Examine the concept structural components of Democracy and its forms/ features	Debate - In favour of democracy (vs) Against Democracy.
	GEOGRAPHY CHAPTER 1: INDIA - Size and Location	• Examine how the location of an area impacts its climate and time with reference to longitude and latitude. • Explore and analyses the trading and cultural relationships of India with its neighbouring countries. • Examine how location of India enables its position as a strategic partner in the	On map of India Locate physiographic regions of India and the climatic zones of the world on a globe/map.

		subcontinent. • Justify the reasons for the differences in climatic conditions, local and standard time.	
	ECONOMICS Chapter 1: The Story of Village Palampur **PERIODIC - I**	Enlist the requirements of production and comprehend the interdependence of these requirements. Correlate farming and non-farming activities to economic growth. Comprehend how the significance of conditions of farming and the factors of production impact economic development. Find solutions to foster an equitable society	Prepare a chart work about the factors of the production.
JULY	HISTORY Unit 2: Socialism in Europe and the Russian Revolution. CIVIS Chapter 2: Constitutional Design	• To compare the situations that led to the rise of Russian and French Revolutions. • Examine the situations that led to the establishment of Lenin's communism and Stalin's collectivization. • Analyse the role played by the varied philosophers and leaders that shaped the revolution • Enumerate the essential features that need to be kept in mind while drafting any constitution. Examine the guiding values that created the Indian constitution. • Comprehend the roles and responsibilities as citizens of	Draw a comparison between French Revolution and Russian Revolution. Prepare a collage on the guiding values of the Indian constitution.

		India.	
	GEOGRAPHY Chapter 2 : Physical Features of India Unit 2 : Physical features of India	Justify how the Physical Features of India influences the livelihoods, culture, and the biodiversity of the region. Examine the geological process that played a crucial role in the formation of diverse physical features in India. Analyse the conditions and relationships of the people living in different physiographic areas. Examine various environmental issues.	Make a power point on Physical features of India.
	ECONOMICS Unit 2:People as Resource	Evaluate the reasons that contribute to the quality of population. Observe the different government schemes in some states and see its effect on the quality of people there by. Propose innovative strategies to resolve unemployment problems.	Make a newsletter collecting articles from newspapers/magazines etcetera on illiteracy and unemployment status in India and government initiative in solving the issues.
	<mark>PERIODIC - II</mark>		
AUGUST	HISTORY Unit 3: Nazism and the Rise of Hitler	• Analyse the role of "Treaty of Versailles" in the rise of Hitler to power. Analyse the genocidal war waged against the "undesirables" by Hitler. Compare and contrast the characteristics of Hitler and Gandhi.	Make a Newspaper on Hitler, with proper events as Headlines.

	CIVICS Unit 3: Electoral Politics	• Analyse the implications of power of vote and power of recall. • Summarize the essential features of the Indian Electoral system. • Examine the rationale for adopting the present Indian Electoral System	Use street play to create awareness about the right to vote and fundamental duties.
	GEOGRAPY Unit 3: Drainage	• Examine the information about different lakes and infer on their contribution to Indian ecology. • Present creative solutions to overcome the water pollution also to increase the contribution of water bodies to Indian economy. • Identify the river systems of the country and explain the role of rivers in human society	Make a poster on save rivers.
SEPTEMBER	HISTORY SECTION II: Livelihood, economics and socities Unit 4: Forest Society and Colonialism.	Interdisciplinary Project	Interdisciplinary Project

	CIVICS Chapter 4: Working of Institutions	• Examine the roles, responsibilities, and interdependency of all the 3 organs of the Government. • Appreciate the parliamentary system of executive's accountability to the legislature. • Summarize and evaluate the rule of law in India.	• When Parliament is in session, there is a special programme every day on Doordarshan about the proceedings in Lok Sabha and Rajya Sabha. Watch the proceedings or read about it in the newspapers and note the following:-
	GEOGRAPHY Chapter 4: Climate	• Analyse and infer the effect of monsoon winds on rainfall of the Indian subcontinent. • Analyse the temperatures between plateau region, Himalayan region, desert region and coastal region. • Enumerate and summarize the reasons for the wide difference between temperatures at different	**a. Powers of the two houses of Parliament.** **b. Role of the Speaker** **c. Role of the Opposition** Use Mind map/ graphic organizers to enumerate and summarize the reasons for the wide difference between the day and night temperatures at different geographical locations of India.
	ECONOMICS Chapter 3: Poverty as a challenges	• Comprehend the reasons of poverty in the rural and urban areas. Evaluate the efficacy of government to eradicate poverty. • Compare how poverty estimates have transformed from 1993-94 to 2011-12. • Correlate the link between education and poverty.	PPT presentation using case study given in NCERT text on the reasons of rural and urban poverty.

		• Correlate the link between education and poverty.	
OCTOBER	HISTORY Unit V: Pastoralists in the Modern World CIVICS Chapter 5 Democratic Rights	• Examine the situations that have created nomadic societies highlighting the key factor played by the climatic conditions and topography. ¬ Analyse varying patterns of developments within pastoral societies in different places in India. • Comprehend the impact of colonialism on Pastoralists in India and Africa. • Analyse the role of the responsible citizens. • Summarize the importance of fundamental rights and duties in the light of the nation's glory. • Recognize the role of a responsible citizen while performing their prescribed duties versus claiming rights.	Locate the various pastoral communities on an outline map of India and explain cyclical movements of these according to climatic conditions.
	GEOGRAPHY Chapter 5: Natural Vegetation and wildlife PERIODIC III	Inter disciplinary project with chapter no IV of History "Forest, Society and Colonialism	Organize a moot court to discuss the violation of individual rights. Inter disciplinary project with chapter no IV of History "Forest, Society and Colonialism

NOVEMBER	ECONOMICS Chapter 4 Food security in India GEOGRAPHY Chapter 6: Population	• Comprehend various aspects of food security that will ensure continuity of supply to the masses. • Enumerate the different features of PDS that directly address FSI. • Analyse and infer the impact of Green Revolution. • Analyse the causes and impact of famines/disasters in food security during pre and post independent India. • Analyse and infer the reasons behind the uneven distribution of population in India with specific reference to UP & Rajasthan and Mizoram and Karnataka.	Concept maps explaining the causes behind the famines in the colonial period and the causes and impact of recurring disasters on food security in post independent India through examples. Create a Pie chart for depicting the population of current India.
DECEMBER	**Revision** **Pre Board**		
JANUARY	**Revision** **Pre Board**		
FEBRUARY	**Revision** **Pre Board**		
MARCH	**Yearly Examination**		