



JAYPEE PUBLIC SCHOOL

GREATER NOIDA

WEEK WISE PLANNERS
CLASS- IX
SESSION 2024-25

SUBJECT: ENGLISH

MONTH: APRIL

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK-4	WEEK-5
CHAPTERS Literature: The Fun They Had (Beehive) The Road Not Taken (Poem) The Lost Child (Moments) Grammar Tenses Modals Creative Writing Diary Entry	Tenses Modals	Diary entry	The Fun they had	The Lost Child	The Road Not Taken (Poem)
LEARNING OBJECTIVES	It will enable the students to <ul style="list-style-type: none"> • Comprehend the lesson and answer questions based on the same. • Locate specific information while reading. • Identify and understand the significance of essential elements in poetry. • Understand and frame sentences correctly. • Write grammatically correct English. • Enable them to realize the importance of relations over materialistic things. 				
LEARNING OUTCOMES	The learners will <ul style="list-style-type: none"> • Able to take wise decision • Ask and answer questions logically and effectively. • Frame sentences correctly with correct tense • Enjoy reading the poem and appreciate its genre. • Use correct expression in their written and spoken English. • Understand different figures of speech • Understand the format of article writing. 				
TEACHING AID	NCERT Books, Online resources, Worksheets.				

MONTH: MAY

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK-4	WEEK-5
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CHAPTERS Literature: The Sound of Music (Beehive) The Little Girl (Beehive) The Adventures of Toto (Moments) Wind (Poem) Grammar 1.Prepositions 2 Expression Workbook Creative Writing Story Writing	The Sound of Music	The Adventure of Toto	The Little Girl Wind (Poem)	Story Writing	Determiners Expression Workbook Practice
LEARNING OBJECTIVES	It will enable the students to <ul style="list-style-type: none"> • Synthesize previous knowledge on discrimination issues. • Appreciate poetry. • Comprehend the lesson and answer questions based on the same. • Use of prepositions carefully. • Find out the answers of in cloze gap filling. • develop writing skills in the context of writing a short story. 				
LEARNING OUTCOMES	The learners will <ul style="list-style-type: none"> • Ask and answer questions logically and effectively. • Use correct expression in their written and spoken English. • Become more sensitive towards our surroundings. • Develop the ability to identify and use narrative tenses when writing. • Will be able to distinguish between different figures of speech. 				
TEACHING AID	NCERT Books, Online resources, Worksheets				

MONTH: JULY

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK-4	WEEK-5
CHAPTERS Literature: A Truly Beautiful Mind (Beehive) Rain on the Roof (Poem) In the Kingdom of Fools (Poem)	A Truly Beautiful Mind	Rain on the Roof Pre- Mid Term Exams	Pre- Mid Term Exams	In the Kingdom of Fools Descriptive Paragraph Writing	Integrated Grammar Revision

Grammar: Integrated grammar practice Creative Writing: Descriptive Paragraph Writing					
LEARNING OUTCOMES	It will enable the students to <ul style="list-style-type: none"> Identify and explain the significance of the chapter. Comprehend the lesson and answer questions based on the same. Build up their vocabulary part. To give an insight into their imaginative powers and ideas. Understand the format of descriptive Paragraph writing. 				
LEARNING OUTCOMES	The learners will <ul style="list-style-type: none"> Inculcate the morals and values learned Be able to ask and answer questions logically and effectively. Be able to use correct expressions in their written and spoken English. Learners should be able to explain the story/poem in their own words. Be able to frame the standard of descriptive paragraph writing with all necessary expressions. Students will gain confidence in creative writing skills. 				
TEACHING AID	Textbook, Bhartiya Vidya Module, blackboard, YouTube video links.				

MONTH: AUGUST

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK-4	WEEK-5
Literature: A Legend of the Northland (Poem) Packing (Beehive) My Childhood (Beehive) The Happy Prince (Moments) Grammar: Reported Speech Expression Workbook ASL activity	A Legend of the Northland (Poem)	My Childhood	The Happy Prince	Reported Speech	ASL activity
LEARNING OBJECTIVES	It will enable the learners to <ul style="list-style-type: none"> Value qualities that are important in teenagers. 				

	<ul style="list-style-type: none"> • Will be able to analyze, and introspect, what is right or wrong. Discuss and appreciate poetry. • Engage in framing the most suitable answer in the reported speech. • Understand and use of Determiners. • Enhance their vocabulary. • To make the students able to make the introduction and share personal information about self, family, basic things ,and interests. • To expand learners' listening attention span.
LEARNING OUTCOMES	<p>The learners will</p> <ul style="list-style-type: none"> • Enjoy reading the poem and appreciate the ideas of the poet. • Ask and answer questions logically and effectively. • Use correct expression while answering in reported speech. • Will enable them to be benevolent towards others and understand their needs. • Students will be able to express their views, opinions, and idea about some particular topic. • It will improve learners' listening skills.
TEACHING AID	Textbook, blackboard, English reference books, dictionary.

MONTH: SEPTEMBER

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK-4	WEEK-5
CHAPTERS	Revision	MID TERM EXAMS	MID TERM EXAMS	Term 1	Term 1
LEARNING OBJECTIVES	<ul style="list-style-type: none"> •Recall and remember all the concepts. •Know and correct the mistakes done in the answer sheets of Half Yearly examination 				
LEARNING OUTCOMES	<ul style="list-style-type: none"> •Understanding the scope of improvement. •The students have to go through the examination paper and will further work out in weak areas 				
TEACHING AID	<ul style="list-style-type: none"> •E-content •Revision worksheets 				

SUBJECT:HINDI

माह- अप्रैल

पाठ / विषय	प्रथम सप्ताह	द्वितीय सप्ताह	तृतीय सप्ताह	चतुर्थ सप्ताह	पंचम सप्ताह
<u>गद्य (स्पर्श)</u> पाठ1- दुख का अधिकार <u>(संचयन)</u> पाठ1- गिल्लू <u>व्याकरण-</u> शब्द और पद <u>रचनात्मकलेखन-</u> अनुच्छेदलेखन अपठितगद्यांश	<u>व्याकरण-</u> शब्द और पद	<u>रचनात्मक लेखन-</u> अनुच्छेदलेखन	<u>गद्य (स्पर्श)</u> पाठ- दुख का अधिकार	<u>संचयन)</u> पाठ1- गिल्लू	<u>रचनात्मक लेखन-</u> अपठित गद्यांश
शिक्षण उद्देश्य	शब्द और पदों का बोध कराना। अनुच्छेद लेखन के नियमों से अवगत कराते हुए अभ्यास कराना। अपठित गद्यांश के प्रश्नों के लेखन से अवगत कराना। सामाजिक विषमता से ऊपर उठकर मानवीय संस्कारों से छात्रों को अवगत कराना। पशु- पक्षियों के प्रति संवेदना का भाव जाग्रत करना।				
अपेक्षित शिक्षण अधिगम	विद्यार्थी- शब्द और पदों का अध्ययन कर सकेंगे। अनुच्छेद लेखन के नियमों से अवगत होंगे एवं अभ्यास कर सकेंगे॥ अपठित गद्यांश के प्रश्नों के लेखन से अवगत होंगे। सामाजिक विषमता से ऊपर उठकर मानवीय संस्कारों को धारण कर सकेंगे। पशु- पक्षियों के प्रति संवेदना का भाव जाग्रत कर सकेंगे।				
शिक्षणसामग्री	पाठ्यपुस्तक- स्पर्श भाग-1 , प्रकाशन -रा.शै.अनु.प्र.परि .द्वारा पाठ्य पुस्तक- संचयन भाग- 1, प्रकाशन -रा.शै.अनु.प्र.परि .द्वारा पाठ्य पुस्तक- व्याकरण अभ्यासपत्र				

	दीक्षापोर्टल अंतरजाल संसाधन
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माह- मई

पाठ / विषय	प्रथम सप्ताह	द्वितीय सप्ताह	तृतीय सप्ताह	चतुर्थ सप्ताह	पंचम सप्ताह
<u>काव्यखंड (स्पर्श)</u> पाठ1- रैदास के पद <u>गद्य खंड (स्पर्श)</u> <u>एवरेस्ट मेरी शिखर</u> यात्रा <u>व्याकरण-</u> अनुस्वार, अनुनासिक, उपसर्ग और प्रत्यय <u>रचनात्मकलेखन-</u> अनौपचारिक पत्रलेखन	<u>काव्यखंड (स्पर्श)</u> पाठ1- रैदास के पद	<u>गद्य खंड (स्पर्श)</u> एवरेस्ट मेरी शिखर यात्रा	<u>व्याकरण-</u> अनुस्वार, अनुनासिक,	<u>रचनात्मकलेखन-</u> अनौपचारिक पत्रलेखन	<u>व्याकरण-</u> उपसर्ग और प्रत्यय
शिक्षण उद्देश्य	भेदभाव से ऊपर उठकर उदात्त मानवीय गुणों का विकास करना। रैदास के अनुसार ईश्वर के स्वरूप से अवगत करना। महान लक्ष्य की साधना हेतु प्रेरित करना। दृढ़ संकल्प की भावना का विकास करना। अनुस्वार, अनुनासिक एवं नुक्ता के नियमों से परिचित कराते हुए अभ्यास कराना। उपसर्ग एवं प्रत्यय का ज्ञान कराना एवं शब्द निर्माण सिखाना। अनौपचारिक पत्र लेखन का प्रारूप समझाना एवं अभ्यास कराना।				
अपेक्षित शिक्षण अधिगम	विद्यार्थी- भेदभाव से ऊपर उठकर उदात्त मानवीय गुणों का विकास कर सकेंगे। रैदास के अनुसार ईश्वर के स्वरूप से अवगत हो सकेंगे। महान लक्ष्य की साधना हेतु प्रेरित होंगे। दृढ़ संकल्प की भावना का विकास कर सकेंगे। अनुस्वार, अनुनासिक एवं नुक्ता के नियमों से परिचित होंगे एवं अभ्यास कर सकेंगे।				

	उपसर्ग एवं प्रत्यय का ज्ञान प्राप्त कर सकेंगे एवं शब्द निर्माण कर सकेंगे। अनौचारिक पत्र लेखन का प्रारूप समझ सकेंगे एवं अभ्यास कर सकेंगे।
शिक्षणसामग्री	पाठ्यपुस्तक- स्पर्श भाग-1 (प्रकाशन -रा.शै.अनु.प्र.परि .द्वारा) पाठ्य पुस्तक- संचयन भाग- 1 (प्रकाशन -रा.शै.अनु.प्र.परि .द्वारा) पाठ्य पुस्तक- व्याकरण अभ्यासपत्र दीक्षापोर्टल अंतरजाल संसाधन

माह- जून

पाठ / विषय	प्रथम सप्ताह	द्वितीय सप्ताह	तृतीय सप्ताह	चतुर्थ सप्ताह	पंचम सप्ताह
ग्रीष्मकालीनअवकाश	ग्रीष्मकालीनअवकाश	ग्रीष्मकालीनअवकाश	ग्रीष्मकालीनअवकाश	ग्रीष्मकालीनअवकाश	ग्रीष्मकालीनअवकाश

माह- जुलाई

पाठ / विषय	प्रथम सप्ताह	द्वितीय सप्ताह	तृतीय सप्ताह	चतुर्थ सप्ताह	पंचम सप्ताह
<u>काव्यखंड (स्पर्श)</u> पाठ2- रहीम के दोहे <u>संचयन</u> पाठ-2- स्मृति <u>व्याकरण-</u> अर्थ की दृष्टि से वाक्य भेद <u>रचनात्मकलेखन-</u> चित्र वर्णन	<u>काव्यखंड (स्पर्श)</u> पाठ2- रहीम के दोहे	<u>काव्यखंड (स्पर्श)</u> पाठ2- रहीम के दोहे	<u>संचयन</u> पाठ-2- स्मृति	<u>व्याकरण-</u> अर्थ की दृष्टि से वाक्य भेद	<u>रचनात्मकलेखन-</u> चित्र वर्णन
शिक्षण उद्देश्य	रहीम के नीति के दोहों का ज्ञान कराना एवं उनका जीवन में उपयोग बताना। साहस एवं धैर्य जैसे गुणों से परिचित कराना। जीव जंतुओं के प्रति सम्मान की भावना का विकास करना। अर्थ की दृष्टि से वाक्य भेद सिखाना एवं अभ्यास कराना। स्वलेखन कौशल का विस्तार करना				

	कल्पनाशक्ति को विस्तार देना
अपेक्षित शिक्षण अधिगम	विद्यार्थी रहीम के नीति के दोहों का ज्ञान प्राप्त कर सकेंगे एवं उनका जीवन में उपयोग कर कुशलता प्राप्त कर सकेंगे। साहस एवं धैर्य जैसे गुणों से परिचित हो सकेंगे। जीव जंतुओं के प्रति सम्मान की भावना का विकास कर सकेंगे। अर्थ की दृष्टि से वाक्य भेद सीखेंगे एवं अभ्यास कर सकेंगे। चित्र वर्णन के माध्यम से अपनी कल्पनाशक्ति को विस्तार दे पाएंगे.
शिक्षणसामग्री	पाठ्यपुस्तक- स्पर्श भाग-1, प्रकाशन -रा.शै.अनु.प्र.परि .द्वारा पाठ्य पुस्तक- संचयन भाग- 1 , प्रकाशन -रा.शै.अनु.प्र.परि .द्वारा पाठ्य पुस्तक- व्याकरण अभ्यासपत्र दीक्षापोर्टल अंतरजाल संसाधन

माह- अगस्त

पाठ / विषय	प्रथम सप्ताह	द्वितीय सप्ताह	तृतीय सप्ताह	चतुर्थ सप्ताह	पंचम सप्ताह
<u>गद्यखंड (स्पर्श)</u> पाठ-3 तुम कब जाओगे अतिथि <u>व्याकरण-</u> <u>स्वर संधि</u> <u>रचनात्मकलेखन-</u> संवाद लेखन	<u>गद्यखंड (स्पर्श)</u> पाठ-3 तुम कब जाओगे अतिथि	<u>गद्यखंड (स्पर्श)</u> पाठ-3 तुम कब जाओगे अतिथि	<u>व्याकरण-</u> <u>स्वर संधि</u>	<u>व्याकरण-</u> <u>स्वर संधि</u>	<u>रचनात्मकलेखन-</u> संवाद लेखन
शिक्षण उद्देश्य	अतिथि कब तक सम्मानीय होता है और कब समस्या बन जाता है , इस तथ्य से अवगत कराना। संधि के विविध नियमों की जानकारी देना संधि के विभिन्न भेद व प्रभेद बताना संवाद लेखन का प्रारूप बताना एवं संवाद लेखन सिखाना।				

	भाषिक ज्ञान में वृद्धि करना।
अपेक्षित शिक्षण अधिगम	विद्यार्थी अतिथि कब तक सम्ममानीय होता है और कब समस्या बन जाता है , इस तथ्य से अवगत हो सकेंगे। संधि के विभिन्न नियमों की जानकारी होगी संधि द्वारा विभिन्न शब्दों का निर्माण कर सकेंगे संवाद लेखन का प्रारूप समझ सकेंगे एवं संवाद लेखन कर सकेंगे। भाषिक ज्ञान में वृद्धि कर सकेंगे।
शिक्षणसामग्री	पाठ्यपुस्तक- स्पर्श भाग-1 , प्रकाशन -रा.शै.अनु.प्र.परि .द्वारा पाठ्य पुस्तक- संचयन भाग- 1, प्रकाशन -रा.शै.अनु.प्र.परि .द्वारा पाठ्य पुस्तक- व्याकरण अभ्यासपत्र दीक्षापोर्टल अंतरजाल संसाधन

माह- सितम्बर

पाठ / विषय	प्रथम सप्ताह	द्वितीय सप्ताह	तृतीय सप्ताह	चतुर्थ सप्ताह	पंचम सप्ताह
पुनरावृत्ति एवं प्रथम सत्रीय परीक्षा					

SUBJECT: PHYSICS

MONTH-APRIL

Content / Topic	1st Week	2nd Week	3rd Week	4th Week
Chapter 8: Motion	Chapter 8: <ul style="list-style-type: none"> Introduction Rest & motion – Definition with Examples Scalar and vector quantities 	<ul style="list-style-type: none"> Motion along a straight line Distance Displacement Uniform motion Non uniform motion 	Chapter 8: <ul style="list-style-type: none"> Speed Average speed Speed with direction Average velocity SI units Numerical 	Chapter 8: <ul style="list-style-type: none"> Acceleration and retardation Uniform acceleration and non uniform acceleration Numerical
Practical				

	<ul style="list-style-type: none"> • Recognition of the apparatus . • https://youtu.be/FFGj6ODbeA8
Learning Objectives	Students will be able to <ul style="list-style-type: none"> • Get aware about meaning of rest and motion • Differentiate between distance and displacement. • Calculate the average speed in a given situation. • State the examples of uniformly accelerated motion. • Understand the difference between acceleration and retardation
Expected Learning Outcome	The learners would be able to <ul style="list-style-type: none"> • Understand that rest and motion are relative • To understand and evaluate the numerical value of different quantities and also associate it with their units. • To correlate various physical quantities like distance, displacement, average speed, acceleration and retardation etc with day to day observations.
Teaching Aid	<ul style="list-style-type: none"> • E-Notes , You tube • https://youtu.be/1U8a4_1q9bo • https://youtu.be/21BwUNDOQno • https://youtu.be/VFfF3F-G9Uk
Assessment	<ul style="list-style-type: none"> • Class test

MONTH-MAY

Content / Topic	1st Week	2nd Week	3rd Week	4th Week	5th Week
MONTH: MAY Chapter 8: Motion	Chapter 8: <ul style="list-style-type: none"> • Graph : concept and importance • Graphical representation of motion by x- t graph 	Chapter 8: <ul style="list-style-type: none"> • graphical representation of motion by v - t graph • Calculation of acceleration and distance from v-t graph 	Chapter 8: <ul style="list-style-type: none"> • graphical representation of motion by v - t graph • Calculation of acceleration and distance from v-t graph 	Chapter 8: <ul style="list-style-type: none"> • Equations of motion by graphical method- Numerical based on graphs 	
Practical			<ul style="list-style-type: none"> • Recognition of the apparatus in the lab. 		
Learning Objectives			Students will be able to <ul style="list-style-type: none"> • Understand the importance of graphs for representing different 		

	types of motion. <ul style="list-style-type: none"> Identify the type of motion from d-t graph and v-t graph. Develop numerical solving skills
Expected Learning Outcome	The learners would be able to <ul style="list-style-type: none"> Understand and evaluate speed, acceleration and distance from various graphs. Evaluate speed in circular motion Represent motion of given situation in graphical manner
Teaching Aid	E-Notes, You tube https://youtu.be/LwEFt0QWcVs https://youtu.be/D2pyTCobuGs
Assessment	Class test / Revision Test

MONTH-JULY

Content / Topic	1st Week	2nd Week	3rd Week	4th Week	5th Week
MONTH-JULY Chapter 8: Motion Chapter 9 : Force and Laws of Motion	Chapter 8: <ul style="list-style-type: none"> Equation for velocity time relation Equation for position time relation Equation for position velocity relation Numerical problems . Uniform circular motion 	Chapter 9 : <ul style="list-style-type: none"> Force – Definition , effects Types of force Balanced and unbalanced forces. Newton’s first law of motion Definition of inertia Reasoning questions based on first law. 	Chapter 9 : <ul style="list-style-type: none"> Newton’s second law of motion. Derive $F = ma$ Momentum, Impulse –definition and units. 	Chapter 9 : <ul style="list-style-type: none"> Reasoning questions and numericals based on second law. Newton’s & third law of motion 	Chapter 9: <ul style="list-style-type: none"> Reasoning Questions based on third law.
Practical	Identify balance force and Unbalance force https://youtu.be/dufhaiuxgvk				

Learning Objectives	<p>Students will be able to</p> <ul style="list-style-type: none"> • Understand force and its effects • Understand meaning of balanced and unbalanced forces • Understand Newton's laws and their applications in daily life. • Explain the terms like inertia, impulse and momentum. <p>Calculate force acting on an object, the momentum associated with any moving object.</p>
Expected Learning Outcome	<p>The learners would be able to</p> <ul style="list-style-type: none"> • Differentiate between balanced and unbalanced forces • Evaluate the numerical value of force and momentum. • Explain the laws of motion in various situations.
<ul style="list-style-type: none"> • Teaching Aid 	<p>E-Notes, You Tube</p> <p>https://youtu.be/erghLWXDSci</p> <p>https://youtu.be/ZvPrn3aBQG8</p>
Assessment	<ul style="list-style-type: none"> • Class test

MONTH-AUGUST

Content / Topic	1st Week	2nd Week	3rd Week	4th Week	5th Week
Chapter 9 : Force and Laws of Motion Chapter 10: Gravitation (Part I)	Chapter 9 : <ul style="list-style-type: none"> • Conservation of momentum. • Numerical problems based on conservation of momentum 	Chapter 10 : <ul style="list-style-type: none"> • Introduction • Newton's Law of gravitation • Numericals 	Chapter 10: <ul style="list-style-type: none"> • Free fall • Difference between 'g' and 'G'. • Derive formula of 'g' • Value of 'g' on earth. 	Chapter 10: <ul style="list-style-type: none"> • Factors on which 'g' depends. • Equations of motion during free fall. 	Chapter 10: <ul style="list-style-type: none"> • Numericals based on free fall • Difference between mass and weight. • Weight of an object on moon

Practical	Mass and Weight https://youtu.be/rFdbY_V7vIo
Learning Objectives	Students will be able to <ul style="list-style-type: none"> • Understand the concept of conservation of momentum • Understand the importance of Newton's law of gravitation. • Differentiate between g and G; mass and weight. • Calculate quantities using equations of motion during a free fall.
Expected Learning Outcome	The learners would be able to <ul style="list-style-type: none"> • Calculate change in momentum in different situations • Evaluate the numerical value of g at different places like earth and moon. • Calculate the weight of given object on moon and earth.
Teaching Aid	E-Notes , You Tube https://youtu.be/zy1Bb6Pp95s https://youtu.be/c9shwPMpSq8
Assessment	Class _Test

MONTH: SEPTEMBER

Content / Topic	1st Week	2nd Week	3rd Week	4th Week
Revision	Revision & Mid term	Mid term		Mid term <ul style="list-style-type: none"> • Distribution and discussion of answer sheets
Practical	Discussion of questions about practices			
Learning Objectives	Students will be able to <ul style="list-style-type: none"> • know and correct the mistakes done in the answer sheets 			
Expected Learning Outcome	The learners would be able to <ul style="list-style-type: none"> • Understand and evaluate the errors and mistakes done in the paper and would be able to improve upon the same through correction. 			

Teaching Aid	Sample Papers, Answer sheets and suggested answers
Assessment	Class Tests , Mid Term Exam

SUBJECT: CHEMISTRY

MONTH-APRIL/MAY

Content/Topic	Week 1	Week 2	Week 3	Week 4
Chapter 1: Matter in Us Surroundings	<ul style="list-style-type: none"> Matter Characteristics of the particles of matter. Discussion of practical to be done in Term –1 	<ul style="list-style-type: none"> States of matter- forces of attraction and space between particles of matter 	<ul style="list-style-type: none"> Interconversion of the states of matter $K=C+273$ Latent Heat 	<ul style="list-style-type: none"> Evaporation Factors affecting the rate of Evaporation Discussion of NCERT exercise.
Learning Objectives	The students will be able to- <ul style="list-style-type: none"> Describe matter and the characteristics of the particles of matter. Understand the differences between the various states of matter. Evaluate the conditions for the interconversion of various states of matter. Explain latent heat of fusion and latent heat of vaporisation. Discuss Evaporation and explain various factors influencing evaporation. 			
Expected Learning Outcomes	The students would be able to- <ul style="list-style-type: none"> Define matter with examples from day today life and state the composition of matter. Analyse the characteristics of the particles of matter applicable in day today life activities. Reason out the differences between the various states of matter on the basis of rigidity, fluidity, compressibility, density, i.e, shape, density, diffusion etc. Explain terms related melting, freezing, boiling, condensation and sublimation. Apply the knowledge of latent heat (ice, steam) in day today life activities. Analyse the difference between evaporation and boiling. Interpret the factors affecting evaporation and appreciate the role of evaporation in daily lives. 			
Teaching aids	<ul style="list-style-type: none"> Smart Class Modules https://www.youtube.com/watch?v=SZANmZxsYaU&t=358s Revision of ch 1 https://www.youtube.com/watch?v=mpufi-1voVo&t=207s Solid liquid and gases https://www.youtube.com/watch?v=jmm1J2yI9tk animation solid liquid and gas https://www.youtube.com/watch?v=ENVKQVIDNLY&t=183s interconversion of state of matter https://www.youtube.com/watch?v=8WGWz-cEAg evaporation 			

MONTH: JULY

Content/Topic	Week 1	Week 2	Week 3	Week 4	Week 5
Chapter – 2: Is Matter Around Us Pure?	REVISION FOR PRE-MID TERM EXAM	PRE-MID TERM EXAMS	<ul style="list-style-type: none"> • Elements and Compounds as pure substances. • Mixtures and pure substances. 	<ul style="list-style-type: none"> • Classification of Elements –metals, nonmetals and metalloids. • Physical and chemical changes. 	<ul style="list-style-type: none"> • Mixtures – homogeneous and heterogeneous. • Difference Homogeneous and heterogeneous solution
Learning Objectives	The students will be able to- <ul style="list-style-type: none"> • Describe and differentiate between elements, compounds and mixtures with examples. • Discuss homogeneous and heterogeneous mixtures with examples. • Explain physical and chemical changes with examples. • Describe the different types of solutions and their properties • understand the properties of True solution 				
Expected Learning Outcomes	The students would be able to- <ul style="list-style-type: none"> • Classify substances as pure (element, compound) and impure (mixture) substances. • Analyse the differences in the properties of elements, compounds and mixtures. classify elements as metals, non-metals and metalloids based on their general physical properties. • Classify mixtures as homogeneous and heterogeneous mixtures with examples from daily lives. • analyse the differences in physical and chemical changes and apply their knowledge and understanding in daily lives. • analyse the characteristics of true solution and various types of true solution 				
Teaching aids	<ul style="list-style-type: none"> • Smart Class Modules • https://www.youtube.com/watch?v=CG0wjNSjprc Is Matter around Us • https://www.youtube.com/watch?v=sPhgbM8JNT4 Atom, Molecule, Element, Compound, Mixture • https://www.youtube.com/watch?v=msSclLW4Lk Homogeneous and heterogeneous mixture • https://www.youtube.com/watch?v=XEAiLm2zuvc Colloidal Suspension and solution 				

MONTH: AUGUST-SEPTEMBER

Content/Topic	Week 1	Week 2	Week 3	Week 4	Week 5
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Chapter 2: Is Matter Around Us Pure?	<ul style="list-style-type: none"> Mixtures as solutions or true solutions 	<ul style="list-style-type: none"> Solubility of a substance (Temperature and Pressure dependence) Saturated and unsaturated solution 	Concentration of solution. Numerical on solubility and concentration of solution	<ul style="list-style-type: none"> Suspension Colloids Various types of colloids	<ul style="list-style-type: none"> Discussion of NCERT back question
Learning Objectives	The students will be able to- <ul style="list-style-type: none"> calculate the solubility and concentration of the solution. evaluate the dependence of solubility on temperature and pressure. Describe the properties of suspensions and colloids Comprehend the difference between true solution, suspension and colloids on the basis of their properties 				
Expected Learning Outcomes	<ul style="list-style-type: none"> The students would be able to- Classify solutions as true solution, suspension and colloid on the basis of properties shown by them- transparency, and filtration. categorise solutions as true solution, suspension and colloid with examples from daily lives with understanding. explain Tyndall effect with examples from day today life. apply their knowledge and understanding of solubility and concentration of a solution in numericals. 				

SUBJECT: BIOLOGY

MONTH: APRIL

TOPIC	WEEK-1 & WEEK-2	WEEK-3	WEEK-4	WEEK-5
CHAPTERS	Chapter – 5 a) Discovery of cell b) Unicellular and multicellular and structures of organisms	Chapter 5 Contd.: a) A compound Microscope b) Structure of various cell from human body c) Cell organelles	Chapter 5 Contd.: a) Plasma membrane and cell wall b) Diffusion and Osmosis -Hypertonic solution, -Hypotonic solution, -Isotonic solution.	Chapter 5 Contd.: a) Structures and functions of: - Nucleus - Cytoplasm b) Plant & Animal cell
LEARNING OBJECTIVES	It will enable the students to: a) Understand the discovery of cells b) Understand the importance of types	a) Learn the components and functions of a compound microscope b) Understand the specialized structures and organelles present in various types of	a) Differentiate between the plasma membrane and cell wall in terms of composition and function. b) Differentiate between diffusion and osmosis and their roles in cellular	a) Explore the structure and function of the nucleus within a cell. b) Compare and contrast the structure and functions of

	of cells	cells. c) Learn about the roles of organelles in cellular processes such as metabolism, energy production, and protein synthesis.	transport. c) Understand the concepts of hypertonic, hypotonic, and isotonic solutions in the context of diffusion and osmosis.	plant and animal cells.
EXPECTED LEARNING OUTCOMES	a) Analyse the history behind discovery of cells. b) Interpret the importance of types of cells	a) Identify and describe the functions of the different parts of a compound microscope. b) Describe the specialized structures and organelles present in various types of cells, and their respective functions c) Understand the roles of organelles in essential cellular processes such as energy production, protein synthesis, and intracellular transport	a) Describe the roles of the plasma membrane in regulating the passage of substances into and out of the cell. b) Explain how concentration gradients affect the movement of molecules during diffusion and osmosis c) Differentiate between hypertonic, hypotonic, and isotonic solutions, and explain their effects on cell volume and water movement through emipermeable membranes.	a) Describe the structure of the nucleus, identify its main components, and explain its functions including housing the cell's genetic material (DNA), regulating gene expression, and coordinating cellular activities. b) Identify key differences and similarities between plant and animal cells, including organelles and their functions, through written or oral explanation and diagrammatic representation.
Practical's	To prepare stained temporary mounts of: a) Onion peel b) Human cheek cells and to record observations and draw their labelled diagrams			
Teaching aids	a) E-notes c) E – Resource 2 - https://youtu.be/URUJD5NEXC8 d) E – Resource 3 - https://youtu.be/xbjltZTCmcM e) E – Resource 4 - https://youtu.be/WEDD4MAGc8o f) Diagrams g) Permanent slides			
Assessment	a) Class Test b) Diagram based assessment			

MONTH: MAY

TOPIC	WEEK-1	WEEK-2	WEEK-3 and 4	WEEK-5
CHAPTERS: 5 The Fundamental Unit of Life	Chapter 5 Contd.: a) Types of cells: Prokaryotic and Eukaryotic cell b) Diagram and their structures	Chapter 5 Contd.: Cell organelles a) ER b) Golgi Bodies c) Lysosome d) Mitochondria	Chapter 5 Contd.: Cell organelles e) Plastids f) Vacuoles g) Cell division	a) Discussion of NCERT Exercise Questions Worksheet & MCQ
LEARNING OBJECTIVES	a) Differentiate between prokaryotic and eukaryotic cells based on their structural characteristics and organizational complexity. b) Interpret and analyse diagrams of Prokaryotic and Eukaryotic cell.	a) Understand the structure and function of the endoplasmic reticulum in eukaryotic cells. b) Explore the structure and function of Golgi bodies in eukaryotic cells. c) Identify and draw the structure of lysosomes, including their membrane-bound sacs containing digestive enzymes. d) Identify the structural components of mitochondria, including their double membrane structure, inner membrane folds (cristae), and matrix.	a) To understand the structure and functions of plastids within plant cells. b) To comprehend the structure and functions of vacuoles in plant and animal cells. c) To understand the process and significance of cell division in growth, development, and repair.	a) Facilitate comprehensive understanding and application of NCERT exercise questions, worksheets, and MCQs through interactive discussions.
EXPECTED LEARNING OUTCOMES	a) Explain the significance of cellular organization in prokaryotic and eukaryotic cells for their respective functions and complexity. b) Identify and label key cellular structures of Prokaryotic and Eukaryotic cell depicted in diagrams accurately.	a) Relate the structure and function of the endoplasmic reticulum to cellular processes such as protein folding, modification, and transport. b) Explain the roles of Golgi bodies in post-translational modification, sorting, and packaging of proteins and lipids for secretion or delivery to other cellular compartments. c) Explain the roles of lysosomes in intracellular digestion, recycling of	a) Explain the diverse roles of plastids in plant physiology and identify different types of plastids. b) Demonstrate an understanding of the diverse roles of vacuoles in cellular processes and their significance in maintaining cell structure and homeostasis. c) Explain the stages of cell division, differentiate between mitosis and meiosis, and recognize the importance of cell division	a) Enhanced comprehension and retention of concepts demonstrated by active participation and successful completion of assessments.

		cellular components, and defence against pathogens. d) Explain the roles of mitochondria in cellular respiration, ATP production and cellular processes and maintaining metabolic balance.	in maintaining organismal integrity.	
Practical's	Identification of Nervous tissues in Animals cell from prepared slides. Drawing of their labelled diagrams			
Teaching aids	a) E-notes c) E – Resource 2 - https://youtu.be/URUJD5NEXC8 d) E – Resource 3 - https://youtu.be/xbjltZTCmcM e) E – Resource 4 - https://youtu.be/WEDD4MAGc8o f) Diagrams g) Permanent slides			
Assessment	c) Class Test d) Diagram based assessment			

MONTH: JUNE 2024 “SUMMER BREAK”

MONTH: JULY 24

TOPIC	WEEK-1	WEEK-2 & 3	WEEK- 4&5
CHAPTER 6: Tissues Pre Mid term: Commences	Chapter – 6 a) Tissues b) Types of Tissues c) Plant tissues d) Types of Plant Tissues e) Meristematic Tissues	Pre Mid- term Examinations Commences Distribution and discussion of Answer sheets	Chapter – 6 Contd. Types of Meristematic tissue a) Apical meristem b) Intercalary meristem c) Lateral meristem
LEARNING OBJECTIVES	a) Understand the concept of tissues and their significance in multicellular organisms b) Explore the diversity and functions of tissues in plant anatomy. c) Differentiate between the various types of tissues present in plants.	To review and understand the answers provided in mid-term examinations through distribution and discussion of answer sheets.	a) Understand the role of meristematic tissues in plant growth and development. b) Understand the structure and function of apical, intercalary, lateral meristems in plant growth and development.

EXPECTED LEARNING OUTCOMES	a) Define the term "tissue" and explain its importance in the organization and function of multicellular organisms. b) Explain the significance of plant tissues in supporting plant structure, transporting nutrients and water, and facilitating growth and development. c) Identify and describe the characteristics and functions of plant tissues, including meristematic, dermal, ground, and vascular tissues.	Students will gain insights into their performance, identify areas for improvement, and enhance their understanding of the subject matter through guided discussion of the answer sheets.	a) Illustrate the characteristics and functions of meristematic tissues in plant growth, including cell division and differentiation, b) Explain the role of apical meristems in primary growth, including the elongation of stems and roots, describe the role of intercalary meristems in secondary growth and the regeneration of plant parts, explain the role of lateral meristems, such as vascular cambium and cork cambium, in secondary growth and the production of secondary tissues.
Practical's	Identification of Complex permanent tissues in plants also striped, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides. Drawing of their labelled diagrams		
Teaching aids	a) Smart Class Modules, b) E – Notes c) E-Resource 1 – https://youtu.be/fNQ92ZGWpOA d) E-Resource 2 https://www.youtube.com/watch?v=ILnjo4Pf2JM e) E-Resource 3 - https://www.youtube.com/watch?v=UIINGF9MnNA f) You tube videos g) Power Point Presentations h) Permanent slides		
Assessment	Mid-Term Examination		

MONTH: AUGUST

TOPIC	WEEK-1 & 2	WEEK- 3	WEEK- 4	WEEK- 5
CHAPTER 6: Tissues	Chapter – 6 Permanent Tissue a) Simple permanent tissue <ul style="list-style-type: none"> • Parenchyma • Collenchyma • Sclerenchyma b) Complex permanent	Chapter – 6 Contd.: a) Animal tissues and its types <ul style="list-style-type: none"> • Epithelial Tissues • Connective Tissue • Epithelial Tissue • Muscular Tissue 	Chapter 6 Contd.- a) Discussion of NCERT Exercise Questions b) Worksheet & MCQ	Worksheet and practice sets a) MCQs b) Exercise based questions c) HOTS

	tissue <ul style="list-style-type: none"> • Xylem • Phloem 			
LEARNING OBJECTIVES	a) Understand the structure and function of Simple permanent tissue eg. parenchyma tissue in plants. b) Explore the structure and role of collenchyma tissue in plant support and flexibility. c) Examine the structure and function of sclerenchyma tissue in plant support and protection.	a) Describe animal tissue which is classified into four major categories. b) Describe the characteristics of connective tissue, including the extracellular matrix and various cell types. c) Explore the structure and function of epithelial tissue in animal organisms. d) Examine the structure and function of muscular tissue in animal organisms.	To facilitate comprehensive understanding and application of NCERT exercise questions, worksheets, and MCQs through interactive discussions and practice sessions.	To reinforce understanding and application of concepts through practice sets comprising MCQs, exercise-based questions, and Higher Order Thinking Skills (HOTS) problems.
EXPECTED LEARNING OUTCOMES	a) Describe the characteristic features of Simple permanent tissue eg. parenchyma cells, including their shape, arrangement, and presence of intercellular spaces. b) Define collenchyma tissue and describe its characteristic features, including thickened cell walls and elongated cells with irregular arrangements. c) Explain the role of sclerenchyma tissue in providing mechanical strength and protection to plant organs, particularly in mature and woody tissues.	a) Explain the unique characteristics and functions of each type of animal tissue. b) Explain the diverse functions of connective tissue in providing structural support, connecting and separating tissues and organs, and transporting nutrients and waste products. c) Explain the diverse functions of epithelial tissue in protection, absorption, secretion, and sensation. d) Describe the characteristics of muscular tissue, including cellular structure and contractile properties.	Enhanced comprehension, retention, and application of concepts demonstrated by active participation and successful completion of assessments.	Students will demonstrate improved mastery of concepts, critical thinking skills, and problem-solving abilities through consistent practice and engagement with diverse question formats.

Practical's	Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants from prepared slides. Drawing of their labelled diagrams
Teaching aids	a) E-Notes b) E – Resource 1 - https://www.youtube.com/watch?v=fD6eqAIUxY8 c) E – Resource 2 - https://www.youtube.com/watch?v=iaWpXFWSDWA d) You tube Videos e) Mind Map
Assessment	a) RT-2

MONTH: SEPTEMBER

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK- 4& 5
CHAPTERS	Revision of Mid Term Examinations	Mid Term Examinations Commences	Mid Term: Commences Mid- Term Examinations Continue till 4th week.	Mid Term Exams Distribution and discussion of Answer sheets
LEARNING OBJECTIVES	During revision for Mid Term exams, students will be able to: a) Recapitulate different topics b) Clarify doubts			
EXPECTED LEARNING OUTCOMES	The students would be able to: a) Attempt the exams more confidently b) Show improvement in presentation of the paper			
Practical's	a) To observe the permanent slides under the microscope. b) Practical exams for Subject enrichment activity			
Teaching aids	Smart module, Assignments, Sample Papers			
Assessment	Mid Term Exams			

SUBJECT:SOCIAL SCIENCE

MONTH: APRIL

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK-4
CHAPTERS	Ch-1The French Revolution <ul style="list-style-type: none"> •Introduction •French society during 18th century. •Struggle to survive. •The Growing middleclass. •Outbreak of revolution. •French became a 	Ch-1The French Revolution <ul style="list-style-type: none"> • The reign of terror. • Dictatorship rules France. Women's role in revolution. <ul style="list-style-type: none"> • Abolition of Slavery. • Revolution in everyday life. 	Economics Ch-1The Story of Village Palampur <ul style="list-style-type: none"> • Farming in Palampur. • Land is fixed. • Way to grow more from the same land. • Traditional and new 	Economics Ch-1The Story of Village Palampur <ul style="list-style-type: none"> •Introduction to the concept of Farming using the story of Palampur-an imaginary village. •Concept of factors of

	constitutional monarchy. French abolishes monarchy and becomes republic		methods of farming. • Concept of Green Revolution.	production. Introduction to the concept of Farming using the story of Palampur-an imaginary village. Concept of factors of production. Distribution of land between the farmers of Palampur with the help of a case study.
LEARNING OBJECTIVES	<ul style="list-style-type: none"> Identify and appreciate the role of French Revolution in promotion of democracy and rights. Develop an understanding of the causes of the French revolution. 	<ul style="list-style-type: none"> Identify and appreciate the role of French Revolution in promotion of democracy and rights. Develop an understanding of the causes of the French revolution. 	<ul style="list-style-type: none"> Understand about rural development and major issues associated with it. Examine the importance of diversification of productive activities to sustain livelihood. 	<ul style="list-style-type: none"> Understand about rural development and major issues associated with it. Examine the importance of diversification of productive activities to sustain livelihood.
LEARNING OUTCOMES	<ul style="list-style-type: none"> Identify and appreciate the role of French Revolution in promotion of democracy and rights. Develop an understanding of the causes of the French revolution. 	<ul style="list-style-type: none"> Identify and appreciate the role of French Revolution in promotion of democracy and rights. Develop an understanding of the causes of the French revolution. 	<ul style="list-style-type: none"> Understand about rural development and major issues associated with it. To differentiate between farming and non-farming activities. To suggest ways to start more non-farm production activities in villages. 	<ul style="list-style-type: none"> Understand about rural development and major issues associated with it. To differentiate between farming and non-farming activities. To suggest ways to start more non-farm production activities in villages.
TEACHING AID		E content from CBSE site	You tube video	E learning module

MONTH: MAY

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK-4
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CHAPTERS	Political Science Ch.- 1 What is Democracy?Why Democracy <ul style="list-style-type: none"> • What is Democracy? • Features of Democracy <ul style="list-style-type: none"> • The Democracy in the Contemporary World • Phases in expansionof democracy. 	What is Democracy?Why Democracy <ul style="list-style-type: none"> • Democracy in the Contemporary World. • End of colonialism. • Recent phase. • Democracy at global level. Democracy promotion	Ch-1 India- Size and Location <ul style="list-style-type: none"> • Political division of India and the world. • International Trade. 	Ch-1 India- Size andLocation <ul style="list-style-type: none"> • Political division of India and the world. • International Trade.
LEARNING OBJECTIVES	<ul style="list-style-type: none"> • Learners will appreciate democracy as better form of government. • Understand the key features of Democracy 	<ul style="list-style-type: none"> • Acquaint with different phases of democracy. • Understanding the growth of democracy over time Understand democracy at the international level.	<ul style="list-style-type: none"> • Analyse the importance of latitude and longitude in the location of India. • Understand the Local and Standard time. 	<ul style="list-style-type: none"> • Analyse the importance of latitude and longitude in the location of India. • Understand the Local and Standard time.
LEARNING OUTCOMES	<ul style="list-style-type: none"> • Understanding the importance of democracy at the international level. • Promoting the nderstanding of inter-dependence of various physiographic divisions and its influence on thelifestyle of the people. 	<ul style="list-style-type: none"> • Understanding the importance of democracy at the international level. • Promoting the understanding of inter-dependence of various physiographic divisions and its influence on the lifestyle of the people. 	<ul style="list-style-type: none"> • Analyse the importance of latitude and longitude in the location of India. Understand the Local and Standard time.	<ul style="list-style-type: none"> • Analyse the importance of latitude and longitude in the location of India. Understand the Local and Standard time.
TEACHING AID	E content and you tube videos	PPT	PDF Content	PPT

MONTH: JULY

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK-4
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CHAPTERS	Ch.-2. Physical Features of India. <ul style="list-style-type: none"> • Features of India. Earth processes:folding, faulting, volcanic activity <ul style="list-style-type: none"> • Formation of Himalayas, NorthernPlains and formation of peninsular plateau • Major physiographic division. • The Himalayan Mountain. The Northern Plain	PRE- MID EXAM	History Ch-2- Socialism in Europe- Russian Revolution <ul style="list-style-type: none"> • Rise of socialism in Europe • October revolution • February revolution 	History Ch-2- Socialism in Europe- Russian Revolution <ul style="list-style-type: none"> • Rise of Bolsheviks • Rise of Stalin • Global influence of Russia
LEARNING OBJECTIVES	<ul style="list-style-type: none"> • Understand the formation of mountains, plains and plateaus along with their importance. • The students will learn about the activity in the Earth interior and exterior that result in the formation of land forms 		<ul style="list-style-type: none"> • Recalls the historical significance of the events and dates. • Compares the political parties and the circumstances of the French Revolution and Russian Revolution. • Explains the society and economy of Russia before the Russian Revolution. 	<ul style="list-style-type: none"> • Analyses and evaluates the course of the Russian Revolution. • Interprets newspaper clippings related to socio-political issues.
LEARNING OUTCOMES	<ul style="list-style-type: none"> • Understand the major land forms, features their association with various rocks and minerals as well as different soil types 		<ul style="list-style-type: none"> • Defines autocracy, soviet. • Recalls the historical significance of the following dates in context of Russian Revolution: 1898,1905,1917,1918-20,1919,1929. • Recalls the effect of French Revolution on India. 	<ul style="list-style-type: none"> • Differentiates between ‘liberals’, radicals and conservatives in the context of the time • Examines the belief that peasants could be the main force of the revolution
TEACHING AID	PDF		PPT	PPT

MONTH: AUGUST

TOPIC	WEEK - 1	WEEK2	WEEK-3	WEEK4
CHAPTERS	Political Science Ch-2. Constitutional Designs. <ul style="list-style-type: none"> • Democratic constitution in South Africa. • Struggle against apartheid. • Towards a new constitution. 	<ul style="list-style-type: none"> • Why do we need a constitution? • Making of Indian constitution. • The constituent assembly. • Guiding values of the constitution. 	Economics Ch. - 2. People as resource. <ul style="list-style-type: none"> • Introduction to the following concepts. • Human capital. • Human resource. • Positive side of large population • Role of health in human capital formation 	Geography Drainage. <ul style="list-style-type: none"> • Himalayan and peninsular river system • East and west flowing peninsular rivers • Ganga action plan
LEARNING OBJECTIVES	<ul style="list-style-type: none"> • Understand how the Constitution of South Africa was drafted • Understand the need for a constitution. 	<ul style="list-style-type: none"> • Understand how the Constitution of India drafted and the ideals which were kept in mind while framing it 	<ul style="list-style-type: none"> • Learners will understand the sources of human capital and its relationship with the growth of the country. 	<ul style="list-style-type: none"> • To enable students to distinguish the Drainage System of India. • To enable discuss types of Peninsular River Basins which drain water
LEARNING OUTCOMES	<ul style="list-style-type: none"> • Understanding the importance of a constitution. 	Understand the key principles of Indian institution.	<ul style="list-style-type: none"> • Understand the concepts of human resource, human capital formation and human development. 	<ul style="list-style-type: none"> • Distinguish between west flowing and west flowing rivers • Suggest ways of reducing water pollution.
TEACHING AID	PPT	PPT	PDF e -content	PPT

MONTH: SEPTEMBER

TOPIC	WEEK-1	WEEK-2	WEEK-3	WEEK-4
CHAPTERS	Revision for Mid Term Exams	Mid Term Exams	Mid Term Exams	Mid Term Exams