

**D AV PUBLIC SCHOOLS, JHARKHAND ZONE-H**  
**CLASS- X**

<b>SUBJECT : ENGLISH</b>				
<b>APRIL</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Prose 1	A letter to God	Comprehension Discussion- Zero Hunger Reading Comprehension 7	4
2 <sup>nd</sup>	Poem 1	Dust of Snow	Gap filling (Integrated grammar) Mind Map on the two poems including the theme, message, poetic devices etc.	2
3 <sup>rd</sup>	Poem 2	Fire and Ice	Letter for placing an order	2
4 <sup>th</sup>	Footprints 1	A Triumph of Surgery	Imagine yourself as an interviewer. Prepare a questionnaire on Healthy lifestyle	4
<b>MAY</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Footprints 2	The Thief's Story	letter to the Editor Think, pair and share	3
2 <sup>nd</sup>	Prose 2	Nelson Mandela: Long Walk to Freedom (Contd.)	Modals	3
3 <sup>rd</sup>	Prose 2	Nelson Mandela: Long Walk to Freedom	IGP [Editing/Omission]	3
4 <sup>th</sup>	Poem 3	A Tiger in the Zoo	IGP [Editing/Omission]	2
<b>JUNE</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Prose 3	Two Stories about Flying (Contd.)	Analytical Paragraph writing Letter of Enquiry	3
2 <sup>nd</sup>	prose 3	Two Stories about Flying	Letter of Enquiry	3
3 <sup>rd</sup>	Poem 4	How to Tell Wild Animals	Letter of Enquiry	2
4 <sup>th</sup>	Poem 5	The Ball Poem	Tenses	2
<b>JULY</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Prose 4	From the Diary of Anne Frank	Determiners Listening Activity	3
2 <sup>nd</sup>	Footprints 4	A Question of Trust	Letter of Complaint	3
3 <sup>rd</sup>	Prose 5	Glimpses of India	Reported Speech	4
4 <sup>th</sup>	Footprints 3  Poem 6	The Midnight Visitor  Amanda	Formal Letter Making a Brochure	5
<b>AUGUST</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Prose 6	Mijbil the Otter	Comprehension Listening Activity	3

2 <sup>nd</sup>	Footprints 5	Footprint Without Feet	Reported Speech	3
3 <sup>rd</sup>	Footprints 6	The Making of a Scientist	Determiners	3
4 <sup>th</sup>	Poem 7	The Trees	Listening Activity	3

#### SEPTEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	REVISION for the MID TERM EXAM			
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

#### OCTOBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Prose 7	Madam Rides the Bus (Contd.)	Letter to the Editor	2
2 <sup>nd</sup>	Prose 7	Madam Rides the Bus	Integrated Grammar (Contd.) Subject – verb concord	2
3 <sup>rd</sup>	Footprints 7	The Necklace	Integrated Grammar (Contd.)	4
4 <sup>th</sup>	Poem 8	Fog	Integrated Grammar (Contd.)	2

#### NOVEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Prose 8	The Sermon at Benaras	Practice of Sample Paper Subject – verb concord	4
2 <sup>nd</sup>	Poem 9	The Tale of Custard the Dragon	Practice of Sample Paper	3
3 <sup>rd</sup>	Footprints 8	Bholi (Contd.)	Practice of Sample Paper	3
4 <sup>th</sup>	Footprints 8	Bholi	Practice of Sample Paper	3

#### DECEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Prose 9	The Proposal ( Play)	Importance of Role Play	4
2 <sup>nd</sup>	Poem 10	For Anne Gregory	Integrated Grammar	2
3 <sup>rd</sup>	Footprints 9	The Book that Saved the Earth (Contd.)	Importance of Drama and Act	2
4 <sup>th</sup>	Footprints 9	The Book that Saved the Earth	Importance of Drama and Act	2

#### JANUARY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	PREPARATION FOR PRE BOARD EXAMINATIONS			
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

#### SUBJECT- HINDI

#### APRIL

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	क्षितिज-2गद्य	नेताजी का चश्मा- स्वयं प्रकाश।	गद्यांश का शुद्ध - शुद्ध वाचन,शब्दार्थ लेखन।भारत के दश शहीदों के नाम और उनके महान कार्यों का उल्लेख करें।	4
2 <sup>nd</sup>	व्याकरण	अलंकार - अर्थालंकार - उपमा, उत्प्रेक्षा, रूपक अतिशयोक्ति, मानवीकरण ।	अलंकारों के उदाहरण लिखना, याद करना। पाठ्य-पुस्तक की कविताओं से अलंकार छांटें।	4

3 <sup>rd</sup>	क्षितिज-2 पद्य	सूरदास के पद - सूरदास	पदों का सस्वर वाचन।वाक्-निपुण बीरबल तेनालीराम जैसे व्यक्तित्व तथा उनकी रचनाओं को पढ़ें।	5
4 <sup>th</sup>	कृतिका - 2	माता का आँचल - शिव पूजन सहाय।	पाठ का शुद्ध - शुद्ध वाचन।आप अपने माता-पिता के प्रति प्रेम का प्रदर्शन कैसे करते हैं।	5

#### MAY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	क्षितिज- 2 गद्य + पद्य	बालगोबिन भगत - रामवृक्ष बेनीपुरी।उत्साह, अट नहीं रही - सूर्य कांत त्रिपाठी 'निराला'।	कविता का सस्वर वाचन, शब्दार्थ लेखन।पाठ का शुद्ध - शुद्ध वाचन। होली के आस-पास प्रकृति में जो परिवर्तन दिखाई देते हैं उन्हें लिखें।	6
2 <sup>nd</sup>	व्याकरण	रचना के आधार पर वाक्य-परिभाषा, भेद उदाहरण।सरल, मिश्र और संयुक्त वाक्य की परिभाषा, उदाहरण।वाक्य की पहचान और परिवर्तन।	अभ्यास हेतु वाक्य प्रदान करना। पठित पाठों से रचना के आधार पर वाक्यों को छांटकर लिखें।	6
3 <sup>rd</sup>	ग्रीष्मावकाश	--	-----	--
4 <sup>th</sup>	ग्रीष्मावकाश	-	-	-

#### JUNE

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	ग्रीष्मावकाश	-	-	-
2 <sup>nd</sup>	ग्रीष्मावकाश	-	-	-
3 <sup>rd</sup>	क्षितिज-2 गद्य	लखनवी अंदाज़ - यशपाल।	पाठ का शुद्ध - शुद्ध वाचन, शब्दार्थ लेखन।पाठ से 15 ऊर्दू शब्दों को अर्थ के साथ लिखें।	4
4 <sup>th</sup>	व्याकरण	पद - परिचय - 1.विकारी पद 2. अविकारी पद।परिभाषा एवं पदों का परिचय ।	पद - परिचय का अभ्यास करवाना।	6

#### JULY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	क्षितिज - 2 तथा व्याकरण	1.एक कहानी यह भी - मन्नु भंडारी । 2. वाच्य - परिभाषा, भेद, परिवर्तन।	1.नारा लेखन 2.भाषण - प्रतियोगिता 3.वाच्य पहचानना एवं परिवर्तन का अभ्यास।	7
2 <sup>nd</sup>	क्षितिज - 2 पद्य	यह दंतुरित मुसकान तथा फसल - नागार्जुन।	कविताओं का सस्वर वाचन, शब्दार्थ लेखन। फसलों के उत्पादन में महिलाओं के योगदान पर विचार व्यक्त करें।	5
3 <sup>rd</sup>	कृतिका - 2 तथा रचनात्मक - लेखन।	1.मैं क्यों लिखता हूँ - अज्ञेय। 2. अपठित गद्यांश।	निबंध - लेखन प्रतियोगिता।अपठित गद्यांश का अभ्यास।	6
4 <sup>th</sup>	रचनात्मक लेखन	1. स्ववृत्त लेखन 2. विज्ञापन लेखन।	कक्षा - कार्य का यथोचित अभ्यास।	6

#### AUGUST

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	कृतिका - 2	साना - साना हाथ जोड़ि - मधु कांकरिया।	अपने शहर के पर्यटन स्थलों की यात्रा करें और अपना अनुभव साझा करें।	6
2 <sup>nd</sup>	क्षितिज - 2 पद्य तथा पत्र - लेखन।	1.आत्मकथ्य - जय शंकर प्रसाद।2.औपचारिक एवं अनौपचारिक पत्र	काव्य लेखन प्रतियोगिता। पत्र - लेखन का अभ्यास।	6
3 <sup>rd</sup>	रचनात्मक- लेखन	1. ई-मेल लेखन 2. संदेश लेखन।	रचनात्मक लेखन का अभ्यास।	5
4 <sup>th</sup>	रचनात्मक लेखन	विभिन्न विषयों पर अनुच्छेद लेखन।	अनुच्छेद लेखन का यथोचित अभ्यास।	5

#### SEPTEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	क्षितिज - 2 गद्य + व्याकरण।	पठित पाठों की पुनरावृत्ति तथा व्याकरण भाग का अभ्यास।	पाठ पढ़ना एवं प्रश्नोत्तर का अभ्यास।व्याकरण का अभ्यास।	6

2 <sup>nd</sup>	क्षितिज - 2 पद्य + व्याकरण।	पठित पाठों की पुनरावृत्ति तथा व्याकरण भाग का अभ्यास।	प्रश्नोत्तर एवं व्याकरण भाग का अभ्यास।	6
3 <sup>rd</sup>	कृतिका - 2 तथा रचनात्मक लेखन।	पठित पाठों और रचनात्मक लेखन का अभ्यास।	पठित पाठों एवं रचनात्मक लेखन का अभ्यास।	3
4 <sup>th</sup>	रचनात्मक लेखन।	अनुच्छेद लेखन, विज्ञापन लेखन, संदेश लेखन, पत्र - लेखन आदि का अभ्यास।	रचनात्मक लेखन का अभ्यास।	3

#### OCTOBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	क्षितिज - 2 पद्य	राम - लक्ष्मण - परशुराम संवाद - तुलसी दास।	रामचरित मानस के बाल - कांड को पढ़ें।	6
2 <sup>nd</sup>	क्षितिज - 2 गद्य	नौबतखाने में इबादत - यतीन्द्र मिश्र।	भारत रत्न प्राप्त संगीतकारों की एक सूची तैयार करें।	6
3 <sup>rd</sup>	रचनात्मक लेखन।	अपठित पद्यांश।	अपठित पद्यांश का अभ्यास।	3
4 <sup>th</sup>	व्याकरण	वाक्य, वाच्य, अलंकार, पद - परिचय आदि का अभ्यास।	रचनात्मक लेखन का अभ्यास।	3

#### NOVEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	क्षितिज - 2 पद्य	संगतकार - मंगलेश डबराल।	भारतीय शास्त्रीय संगीत के बारे में जानकारी हासिल करें।	4
2 <sup>nd</sup>	क्षितिज - 2 गद्य	संस्कृति - भदंत आनंद कौशल्यायन।	वाद - विवाद प्रतियोगिता।	4
3 <sup>rd</sup>	व्याकरण	वाक्य (रचना के आधार पर)। पुनरावृत्ति।	वाक्य का अभ्यास।	3
4 <sup>th</sup>	रचनात्मक लेखन	अपठित गद्यांश।	गद्यांश का अभ्यास।	3

#### DECEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	क्षितिज - 2 गद्य	पुनरावृत्ति।	पुनरावृत्ति।	6
2 <sup>nd</sup>	क्षितिज - पद्य	पुनरावृत्ति	पुनरावृत्ति	6
3 <sup>rd</sup>	व्याकरण	व्याकरण का अभ्यास।	व्याकरण का अभ्यास।	4
4 <sup>th</sup>	रचनात्मक लेखन।	रचनात्मक लेखन का अभ्यास।	लेखन का अभ्यास।	4

#### JANUARY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	क्षितिज - 2 गद्य	पुनरावृत्ति।	पुनरावृत्ति।	6
2 <sup>nd</sup>	क्षितिज - पद्य	पुनरावृत्ति	पुनरावृत्ति	6
3 <sup>rd</sup>	व्याकरण	व्याकरण का अभ्यास।	व्याकरण का अभ्यास।	4
4 <sup>th</sup>	रचनात्मक लेखन।	रचनात्मक लेखन का अभ्यास।	लेखन का अभ्यास।	4

#### SUBJECT- SANSKRIT

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	पाठ :- प्रथमः	वाङ्मयं तपः	विद्याविषयकसूक्तीनां संग्रहं करोतु	6
2 <sup>nd</sup>	व्याकरणम्	स्वर सन्धिः-वृद्धिः, यण्, अयादि, पूर्वरूप	पठितसन्धीनाम् दश-उदाहरणानि पाठ्यपुस्तकात् चित्वा लिखत	6
3 <sup>rd</sup>	व्याकरणम्	व्यञ्जन सन्धिः-परसवर्णः(अनुस्वारस्य स्थाने पञ्चमवर्ण प्रयोगः)तुगागमः, वर्गीयप्रथमवर्णस्य तृतीयवर्ण परिवर्तनम्	पठितसन्धीनाम् दश-उदाहरणानि पाठ्यपुस्तकात् चित्वा लिखत	6
4 <sup>th</sup>	पाठः- द्वितीयः व्याकरणम्	नास्ति त्यागसमं सुखम् प्रत्ययाः - तव्यत्, अनीयर् मतुप्, ठक्	दानमहिमासम्बन्धीश्लोकानां संग्रहम् करोतु, पठितप्रत्ययानाम् उदाहरणानि पाठ्यपुस्तकात् चित्वा लिखत	6

#### MAY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	तृतीयः पाठः 'व्याकरणम्	रमणीया हि सृष्टिरेषा विसर्ग सन्धिः-उत्त्वम्,रत्त्वम्, विसर्ग लोप,	यत्र *यदि* प्रयुज्यते तत्र *तर्हि* अपि प्रयुज्यते पठितपाठात् विचित्य वाक्यानि लिखत	6
2 <sup>nd</sup>	व्याकरणम्	समासः-तत्पुरुषः-विभक्तिः विसर्ग सन्धिः-विसर्गस्य स्थान सत्त्वम्(श,स,स)	पाठ्यपुस्तकात् विभक्तितत्पुरुषसमासस्य उदाहरणानि चित्वा लिखत	6
3 <sup>rd</sup>		ग्रीष्मावकाश		6
4 <sup>th</sup>		ग्रीष्मावकाश		6

#### JUNE

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		ग्रीष्मावकाश		
2 <sup>nd</sup>		ग्रीष्मावकाश		
3 <sup>rd</sup>	चतुर्थः पाठः	आज्ञा गुरुणां हि अविचारणीया	गुरोःमहिमासम्बन्धीश्लोकानाम् संग्रहम्	6
4 <sup>th</sup>	व्याकरणम्	समासः-नञ्,उपपद अव्ययाः- सहसा,वृथा,शनैः,इति,मा,यत्,सम्प्रति,अथ,इदानी म,अधुना,यावत्-तावत्,बहिः	पठितसमासस्य उदाहरणानि पाठ्यपुस्तकात् चित्वा लिखत अव्ययसम्बन्धीवाक्यानाम् चयनम्	6

#### JULY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	पञ्चमः पाठः	अभ्यासवशगं मनः	श्रीमद्भगवद्गीतायाःअध्ययनं कृत्वा मनसः निग्रहसम्बन्धितश्लोकान् अर्थसहितं लिखत तस्य वाचनम् अपि करोतु	6
2 <sup>nd</sup>	रचनात्मकं कार्यम् 'व्याकरणम्	अपठित गद्यांशः, पत्रलेखनम् चित्राधारितवर्णनम्/अनुच्छेदलेखनम् ,संवादलेखनम्/कथापूर्तिः , अव्ययाः-- इव,उच्चैः,एवं,नूनम्,इतस्ततः,विना,तुम्,कदापि,च, अपि,पूरा,अत्र-तत्र,	पत्रलेखनस्य प्रारूपमधिकृत्य अन्येषां पत्राणाम् संग्रहं करोतु।	6
3 <sup>rd</sup>	व्याकरणम्	प्रत्ययः-त्वं,तत् वाच्यपरिवर्तनम्-(केवलं लटलकारे)	पठितप्रत्ययानाम् उदाहरणानि पाठ्यपुस्तकात् चित्वा लिखत	6
4 <sup>th</sup>	व्याकरणम् /रचनात्मकं कार्यम्	समयः-(सामान्य-सपाद,-सार्ध-पादोन) ,चित्राधारितवर्णनम्/अनुच्छेदलेखनम्	भवान् कतिवादने किम् करोति घटिकासमयानुसारेण लिखत।	6

#### AUGUST

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	षष्ठः पाठः	राष्ट्रं संरक्ष्यमेव हि	महाभारतस्य परिचयं लिखत	6
2 <sup>nd</sup>	सप्तमः पाठः	साधुवृत्तिं समाचरेत्	*संस्कृतशिक्षामञ्जरी*इति ग्रन्थं पठत	6
3 <sup>rd</sup>	व्याकरणम्	समासः-द्वन्द्वः	पाठात् द्वन्द्वसमासस्यागतानि उदाहरणानि	6
4 <sup>th</sup>	रचनात्मकं कार्यम्	पत्रलेखनम् चित्राधारितवर्णनम्/अनुच्छेदलेखनम् संवादलेखनम्/कथापूर्तिः	स्वविद्यालयस्य दृश्यं दृष्ट्वा पञ्चवाक्यानि लिखत	6

#### SEPTEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	पठितावबोधनम्	गद्यांशाधारित - अभ्यासः	अनुशासनाधारित-अनुच्छेदम् अन्विष्य प्रश्नान् निर्माय उत्तराणि अपि लिखत	6
2 <sup>nd</sup>	पठितावबोधनम्	पद्यांशाधारित- अभ्यासः	प्रश्नोत्तराणाम् अभ्यासकार्यम्	6
3 <sup>rd</sup>	व्याकरणम्	अशुद्धि-संशोधनम् (वचन-लिंग-पुरुष- लकारदृष्ट्या संशोधनम् )	वाक्यानि शुद्धं कृत्वा लिखत	6

4 <sup>th</sup>	रचनात्मकं कार्यम्	अपठित गद्यांशः , पत्रलेखनम् चित्राधारितवर्णनम्/अनुच्छेदलेखनम्, संवादलेखनम्/कथापूतिः	मित्रेण सह कृतवार्ता संवादरूपेण लिखत	6
-----------------	-------------------	---	--------------------------------------	---

#### OCTOBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	अष्टमः पाठः	तिरुक्कुरल-सूक्ति-सौरभम्	*तिरुवल्लुवर*महाकवेः परिचयं लिखत	6
2 <sup>nd</sup>	व्याकरणम्	समासः- अव्ययीभावः(अन्, उप, सह, निर/निस, प्रति, यथा)	पठितपाठात् समासस्य उदाहरणानि चित्वा लिखत	6
3 <sup>rd</sup>	व्याकरणम्	अनुप्रयुक्त-व्याकरणस्य अभ्यासकार्यम्		6
4 <sup>th</sup>	व्याकरणम्	प्रत्ययः- टाप्, डीप्	पठितप्रत्ययानाम् उदाहरणानि पाठ्यपुस्तकात् चित्वा लिखत	6

#### NOVEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	नवमः पाठः	सुस्वागतं भो! अरुणाचलेऽस्मिन्	चिकित्साक्षेत्रे विविधवर्णनैषधीनां प्रयोगं लिखत	
2 <sup>nd</sup>	दशमः पाठः	कालोऽहम् (केवलम् आन्तरिकमूल्यांकनाय)	प्रचीनभारतस्य कालगणनायाः पद्धतेः	
3 <sup>rd</sup>	व्याकरणम्	अव्ययाः- यथा, तथा, कदा, अद्य, श्वः, परश्वः, ह्यः, परह्यः, किमर्थम्, कुत्र, यदि-तर्हि, अतः	पाठ्यपुस्तकात् अव्यययुक्तवाक्यानि चित्वा लिखत	
4 <sup>th</sup>	एकादशः पाठः	किं किम् उपादेयम् (केवलम् आन्तरिकमूल्यांकनाय)	श्रीमदादिशंकराचार्येण स्थापितमठचतुष्टयस्य परिचयं ददातु	

#### DECEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	व्याकरणम्	अनुप्रयुक्त -व्याकरणस्य अभ्यासकार्यम्		
2 <sup>nd</sup>	रचनात्मकं कार्यम्	अपठित गद्यांशः पत्रलेखनम् चित्राधारितवर्णनम्/अनुच्छेदलेखनम् संवादलेखनम्/कथापूतिः		
3 <sup>rd</sup>	पठितावबोधनम्	गद्यांशाधारित - अभ्यासः		
4 <sup>th</sup>	पठितावबोधनम्	पद्यांशाधारित- अभ्यासः		

#### JANUARY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	व्याकरणम्	समासस्य अभ्यासकार्यम्		
2 <sup>nd</sup>	व्याकरणम्	प्रत्ययस्य अभ्यासकार्यम् वाच्यस्य अभ्यासकार्यम्		
3 <sup>rd</sup>	व्याकरणम्	सन्धेः अभ्यासकार्यम्, अशुद्धि-संशोधनस्य अभ्यासकार्यम्		
4 <sup>th</sup>	रचनात्मकं कार्यम्	अपठित गद्यांशः पत्रलेखनम् चित्राधारितवर्णनम्/अनुच्छेदलेखनम् संवादलेखनम्/कथापूतिः		

#### Subject-Maths

#### APRIL

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Real Numbers	Fundamental Theorem of Arithmetic, Irrational Numbers		6

2 <sup>nd</sup>	Polynomials	Introduction, Geometrical Meaning of Zeroes of a Polynomial ,Relationship between Zeroes and Coefficients of a quadratic polynomials		6
3 <sup>rd</sup>	Pair of linear Equations in two variables	Equations in two variables,Algebraic Methods for solution of linear equations (Substitution and Elimination Method)	verify the conditions of consistency/inconsistency for a pair of linear equations in two variables by graphical method.	6
4 <sup>th</sup>	Pair of linear Equations in two	Equations in two variables, graphical methods, simple situational problems		5

**MAY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Pair of linear Equations in two	simple situational problems , Algebric conditions for number of solutions		6
2 <sup>nd</sup>	Coordinate Geometry	Introduction. Distance Formula Section Formula( Internal Division)	Verify the distance formula by graphical method	6
3 <sup>rd</sup>		Summer Vacation		
4 <sup>th</sup>		Summer Vacation		

**JUNE**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		Summer Vacation		
2 <sup>nd</sup>		Summer Vacation		
3 <sup>rd</sup>	Probability	Definition of Probability,events,theortical probability,sample space,likely events,finding probability of an event.		6
4 <sup>th</sup>	Introduction to Statistics - Mean,Mode,Median	Mean, median and mode of grouped data (bimodal situation to be avoided).		6

**JULY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Introduction to Trigonometry	Trigonometric Ratios Introduction to Trigonometry : Trigonometric Ratios		6
2 <sup>nd</sup>	Introduction to Trigonometry	Trigonometric ratios of Specific angles		6
3 <sup>rd</sup>	Introduction to Trigonometry	Trigonometric Identities		6
4 <sup>th</sup>	Some applications of Trigonometry Heights and	Heights and Distance		6

**AUGUST**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Triangles	Similar figures and similarity of triangles		6
2 <sup>nd</sup>	Triangles	Theorems and proofs related to Similar triangles	Establish the criteria for similarity of two triangles.	6
3 <sup>rd</sup>	Triangles	Theorems and proofs related to Similar triangles continued Areas of similar triangle	Verify Basic Proportionality Theorem (Thales theorem).	6

4 <sup>th</sup>	Areas Related To Circles	Length of an arc Area of a sector of a circle Area of the segment of a circle		6
-----------------	--------------------------	---	--	---

**SEPTEMBER**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		REVISION & MID -TERM EXAM		
2 <sup>nd</sup>		REVISION & MID -TERM EXAM		
3 <sup>rd</sup>		REVISION & MID -TERM EXAM		
4 <sup>th</sup>		REVISION & MID -TERM EXAM		

**OCTOBER**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Quadratic equations	To convert word problems into quadratic equation and solve them using factorisation. Quadratic formula and Nature of roots		6
2 <sup>nd</sup>	Circles	Tangent to a circle	Verify that the lengths of tangents to a circle from some external point are equal.	6
3 <sup>rd</sup>	Circles	Number of tangents from a point on a circle.	Verify experimentally that the tangent at any point to a circle is perpendicular to the radius through that point.	6
4 <sup>th</sup>	Arithmetic Progressions	Introduction nth term of an AP	Identify Arithmetic Progressions in some given lists of numbers (patterns).	6

**NOVEMBER**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Arithmetic Progressions	Sum of first n terms of an AP	Establish a formula for the sum of first n terms of an Arithmetic Progression.	6
2 <sup>nd</sup>	Surface Area and volume	Surface area and Volumes of cube and cuboid		6
3 <sup>rd</sup>	Surface Area and volume	Surface area and Volume of cylinder. Surface area and Volumes of sphere. Surface area and Volumes of hemisphere.		6
4 <sup>th</sup>	Surface Area and volume	Surface area and Volumes of cube, cuboid, cone, cylinder, sphere and hemisphere.		6

**DECEMBER**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		REVISION & PRE- BOARD EXAM		
2 <sup>nd</sup>		REVISION & PRE- BOARD EXAM		
3 <sup>rd</sup>		REVISION & PRE- BOARD EXAM		
4 <sup>th</sup>		REVISION & PRE- BOARD EXAM		

**JANUARY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		REVISION & PRE- BOARD EXAM		
2 <sup>nd</sup>		REVISION & PRE- BOARD EXAM		



3 <sup>rd</sup>		REVISION & PRE- BOARD EXAM		
4 <sup>th</sup>		REVISION & PRE- BOARD EXAM		
<b>FEBRUARY</b>				
<b>WEEK</b>	<b>CHAPTER</b>	<b>TOPIC</b>	<b>ACTIVITY</b>	<b>No. Of PERIODS REQUIRED</b>
1 <sup>st</sup>		REVISION & PRE- BOARD EXAM		
2 <sup>nd</sup>		REVISION & PRE- BOARD EXAM		
3 <sup>rd</sup>				
4 <sup>th</sup>				
<b>MARCH</b>				
<b>WEEK</b>	<b>CHAPTER</b>	<b>TOPIC</b>	<b>ACTIVITY</b>	<b>No. Of PERIODS REQUIRED</b>
1 <sup>st</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

**SUBJECT: SCIENCE**

**PHYSICS**

<b>APRIL</b>				
<b>WEEK</b>	<b>CHAPTER</b>	<b>TOPIC</b>	<b>PRACTICAL</b>	<b>No. Of PERIODS REQUIRED</b>
1	LIGHT : REFLECTION	Reflection of light by curved surfaces & its law. Terms related to spherical mirror		3
2	LIGHT : REFLECTION	NCSC for concave mirror & convex mirror Images formed by concave mirror Images formed by convex mirror		3
3	LIGHT : REFLECTION	Uses of spherical mirror, Mirror formula & Magnification,		3
4	LIGHT : REFLECTION	Conditions for magnification & NUMERICALS	"Expt. No. - 1 Determination of the focal length of Convex lens by obtaining the image of a distant object."	3

**MAY**

<b>WEEK</b>	<b>CHAPTER</b>	<b>TOPIC</b>	<b>ACTIVITY / PRACTICAL</b>	<b>No. Of PERIODS REQUIRED</b>
1	LIGHT : REFRACTION	Refraction; Laws of refraction, refractive index, Refraction of light by spherical lens.	Expt. No. - 2 Determination of the focal length of Convex lens by obtaining the image of a distant object.	3
2	LIGHT :	NCSC & Images formed by convex lens		3
3		SUMMER VACATION		
4		SUMMER VACATION		

**JUNE**

<b>WEEK</b>	<b>CHAPTER</b>	<b>TOPIC</b>	<b>ACTIVITY / PRACTICAL</b>	<b>No. Of PERIODS REQUIRED</b>
1		SUMM		

2				
3	LIGHT : REFRACTION	"Images formed by concave lens; Refraction through a glass slab Lens formula & Magnification.	Manipulates the position of object and properties of lenses (focus, centre of curvature) to observe image characteristics and correspondence with a ray diagram, and extends this understanding to a combination of lenses (telescope, microscope)	3
4	LIGHT : REFRACTION	Power of lens & Numerical.	Expt. No. - 3 Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.	3

#### JULY

WEEK	CHAPTER	TOPIC	PRACTICAL / ACTIVITY	No. Of PERIODS REQUIRED
1	The Human Eye and the Colourful World	"Functioning of a lens in human eye defects of vision and their corrections.	Expt. No. - 4 Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the	3
2	The Human Eye and the Colourful World	Numericals based on defects of vision, Refraction of light through a prism (Introduction)		3
3	The Human Eye and the Colourful World	Refraction of light through a prism, Dispersion of light		3
4	The Human Eye and the Colourful World	scattering of light, applications in daily life. (excluding colour of the sun at sunrise and sunset).		2

#### AUGUST

WEEK	CHAPTER	TOPIC	PRACTICAL / ACTIVITY	No. Of PERIODS REQUIRED
1	Electricity	Potential difference and electric current Ohm's law & its verification; Concept of resistance & resistivity	Manipulates and analyses different characteristics of the circuit (current, voltage, resistance) and mathematises their relationship (Ohm's law), and applies it to everyday usage (electricity bill, short circuit, safety measures)	3
2	Electricity	"Factors on which the resistance of a conductor depends" Series & Parallel combination of resistors and its applications in daily life Competency based question	Expt. No. - 5 Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.	3
3	Electricity	Heating effect of electric current and Joule's Law & Numerical	Expt. No. - 5 Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.	3

4	Electricity	Concept of electric power & electric energy Interrelation between P, V, I and R.	Manipulates and analyses different characteristics of the circuit (current, voltage, resistance) and mathematises their relationship (Ohm's law), and applies it to everyday usage (electricity bill, short circuit, safety measures)	3
---	-------------	---	---	---

#### SEPTEMBER

WEEK	CHAPTER	TOPIC	PRACTICAL	No. Of PERIODS REQUIRED
1	Electricity	Numericals based on electricity & Revision		3
2		REVISION & MID TERM EXAM.		
3		REVISION & MID TERM EXAM.		
4		REVISION & MID TERM EXAM.		

#### OCTOBER

WEEK	CHAPTER	TOPIC	PRACTICAL	No. Of PERIODS REQUIRED
1				
2	Magnetic Effects of Electric Current	Concept of magnetic field & field lines magnetic field due to a current carrying straight conductor and its factor magnetic field due to a current carrying coil & its factor	Expt. No. - 6 Determination of the equivalent resistance of two resistors when connected in series and parallel.	3
3	Magnetic Effects of Electric Current	Concept of solenoid and its magnetic field. Force on current carrying conductor & its factor "Fleming's Left Hand Rule,"	Expt. No. - 6 Determination of the equivalent resistance of two resistors when connected in series and parallel.	3
4				

#### NOVEMBER

WEEK	CHAPTER	TOPIC	PRACTICAL	No. Of PERIODS REQUIRED
1	Magnetic Effects of Electric Current	Direct current. Alternating current: frequency of AC. Advantage of AC over DC. Domestic electric circuits. & Competency based question		3
2	REVISION for Pre-Board Examination			
3				
4				

#### DECEMBER

WEEK	CHAPTER	TOPIC	PRACTICAL	No. Of PERIODS REQUIRED
1				
2				
3				
4				

#### JANUARY

WEEK	CHAPTER	TOPIC	PRACTICAL	No. Of PERIODS REQUIRED
1				

2				
3				
4				

**FEBRUARY**

WEEK	CHAPTER	TOPIC	PRACTICAL	No. Of PERIODS REQUIRED
1				
2				
3				
4				

**MARCH**

WEEK	CHAPTER	TOPIC	PRACTICAL	No. Of PERIODS REQUIRED

**SUBJECT : CHEMISTRY**

April				
WEEK	CHAPTER	TOPIC	ACTIVITY / SUBJECT ENRICHMENT	PERIODS
1 <sup>ST</sup>				
2 <sup>nd</sup>	Unit 1 : Chemical Substances- Nature and behaviour	Chemical reactionsand equations : Chemical reactions : Chemical equation	_____	3
3 <sup>rd</sup>	Unit 1 : Chemical Substances- Nature and behaviour	Chemical reactionsand equations : Balanced chemical equation, implications of a balanced chemical equation		3
4 <sup>th</sup>	Unit 1 : Chemical Substances- Nature and behaviour	Chemical reactionsand equations : Types of chemical reactions : combination , decomposition	Chemistry Lab. Activities : To perform and observe the following reactions and classify them into : (i) Combination reaction (ii)Decomposition reaction (iii)Displacement reaction (iv)Double displacement reaction 1)Action of water on quick lime 2) Action of heat on ferrous sulphate crystals	3
MAY				
WEEK	CHAPTER	TOPIC	ACTIVITY	

1 <sup>ST</sup>	Unit 1 : Chemical Substances- Nature and behaviour	Chemical reactions and equations : Types of chemical reactions : Displacement , double displacement , precipitation	Chemistry Lab. Activities : To perform and observe the following reactions and classify them into : (i) Combination reaction (ii) Decomposition reaction (iii) Displacement reaction (iv) Double displacement reaction 1) Iron nails kept in copper sulphate solution 2) Reaction between sodium sulphate and barium chloride solution	3
2 <sup>nd</sup>	Unit 1 : Chemical Substances- Nature and behaviour	Chemical reactions and equations : Types of chemical reactions : Oxidation and reduction	(i) To observe the action of Zn, Fe, Cu and Al metals on the following salt solutions : (a) ZnSO <sub>4</sub> (aq) (b) FeSO <sub>4</sub> (aq) (c) CuSO <sub>4</sub> (aq) (d) Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> (aq) (ii) Arrange Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.	3
3 <sup>rd</sup>		SUMMER VACATION		
4 <sup>th</sup>		SUMMER VACATION		
JUNE				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		SUMMER VACATION		
2 <sup>nd</sup>		SUMMER VACATION		
3 <sup>rd</sup>	Unit 1 : Acids, Bases and Salts	Their definitions in terms of furnishing of H <sup>+</sup> and OH <sup>-</sup> ions , General properties, examples and uses.		3
4 <sup>th</sup>	Unit 1 : Acids, Bases and Salts	Neutralisation concept of Ph scale (Definition relating to logarithm not required), importance of PH in everyday life ; Preparation and uses of Sodium hydroxide.		
	JULY			
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Unit 1 : Acids, Bases and Salts	Preparation and uses of Bleaching Powder, Baking Soda.	To find the PH of the following samples by using Ph /universal indicator. (i) Dilute Hydrochloric acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic acid solution (iv) Lemon juice (v) Water (vi) Dilute Sodium bicarbonate solution	3
2 <sup>nd</sup>	Unit 1 : Acids, Bases and Salts	Preparation and uses of Baking Soda and Plaster of Paris.		3
3 <sup>rd</sup>	Unit 1 : Metals and Non metals	Properties of metals and non metals		3

<b>4<sup>th</sup></b>	Unit 1 : Metals and Non metals	Reactivity series		3
<b>AUGUST</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>ST</sup></b>	Unit 1 : Metals and Non metals	Formation and properties of ionic compounds		3
<b>2<sup>nd</sup></b>	Unit 1 : Metals and Non metals	Basic metallurgical processes	To study the properties acid and bases (Dilute HCl And Dilute NaOH ) by their reaction with : (I) Litmus solution (Blue and Red) (ii) Zinc metal (iii) Solid sodium carbonate	3
<b>3<sup>rd</sup></b>	Unit 1 : Metals and Non metals	Basic metallurgical processes		3
<b>4<sup>th</sup></b>	Unit 1 : Metals and Non metals	Corrosion and its prevention.		3
<b>SEPTEMBER</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>ST</sup></b>	Unit 1 : Acids, Bases and Salts	Revision & Mid Term Examination		
<b>2<sup>nd</sup></b>	Unit 1 : Acids, Bases and Salts	Revision & Mid Term Examination		
<b>3<sup>rd</sup></b>	Unit 1 : Acids, Bases and Salts	Revision & Mid Term Examination		
<b>4<sup>th</sup></b>	Unit 1 : Acids, Bases and Salts	Revision & Mid Term Examination		
<b>OCTOBER</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>ST</sup></b>	Unit 1 : Carbon compounds	Covalent bonding in carbon compounds,		3
<b>2<sup>nd</sup></b>	Unit 1 : Carbon compounds	Versatile nature of carbon, Homologous series, Nomenclature of carbon compounds	To study the following properties of acetic acid (Ethanoic acid ) : (i) Odour (ii) Solubility in water (iii) Effect on litmus (iv) Reaction with sodium bicarbonate	3
<b>3<sup>rd</sup></b>	Unit 1 : Carbon compounds	Nomenclature of carbon compounds containing functional groups (Halogens, alcohol, ketones, aldehydes, alkanes, alkenes and alkynes )		3
<b>4<sup>th</sup></b>	Unit 1 : Carbon compounds	Nomenclature of carbon compounds containing functional groups (Halogens, alcohol, ketones, aldehydes, alkanes, alkenes and alkynes )		3
<b>NOVEMBER</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>ST</sup></b>	Unit 1 : Carbon compounds	Difference between saturated and unsaturated hydrocarbons, Chemical properties of carbon compounds - Combustion and oxidation reaction.		3

<b>2<sup>nd</sup></b>	Unit 1 : Carbon compounds	Chemical properties of carbon compounds - Addition and substitution reaction.	To prepare SO <sub>2</sub> GAS, Observe its following properties and draw inference in respect of (I) Odour (ii) Solubility in water (iii) Effect on litmus paper (iv) Action on acidified potassium dichromate solution	3
<b>3<sup>rd</sup></b>	Unit 1 : Carbon compounds	Ethanol and Ethanoic acid - Only properties and uses		3
<b>4<sup>th</sup></b>	Unit 1 : Carbon compounds	Soaps and detergents		3
<b>DECEMBER</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>st</sup></b>	Unit 1 : Acids, Bases and Salts	REVISION		
<b>2<sup>nd</sup></b>	Unit 1 : Metals and Non metals	REVISION		
<b>3<sup>rd</sup></b>		PRE BOARD EXAMINATION		
<b>4<sup>th</sup></b>		PRE BOARD EXAMINATION		
<b>JANUARY</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>st</sup></b>	Unit 1 : Metals and Non metals	REVISION		
<b>2<sup>nd</sup></b>	Unit 1 : Carbon compounds	REVISION		
<b>3<sup>rd</sup></b>	Unit 1 : Carbon compounds	REVISION		
<b>4<sup>th</sup></b>	Unit 1 : Chemical Substances- Nature and behaviour	REVISION		
<b>FEBRUARY</b>				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>st</sup></b>				2
<b>2<sup>nd</sup></b>				2
<b>3<sup>rd</sup></b>				2
<b>4<sup>th</sup></b>				2

	<b>Subject-Biology</b>			
--	------------------------	--	--	--

**April**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>st</sup></b>	Ch-6 (Life processes)	Life processes-concept and importance. Nutrition, mode of nutritions.	Draw flow chart of mode of nutrition.	3
<b>2<sup>nd</sup></b>	Ch-6 (Life processes)	Nutrition in plants. Mechanism of photosynthesis.	Set an experiment to demonstrate that sunlight is essential for photosynthesis.	3
<b>3<sup>rd</sup></b>	Ch-6 (Life processes)	Nutrition in animals. Nutrition in amoeba.	Explain nutrition in amoeba with the help of diagram.	3
<b>4<sup>th</sup></b>	Ch-6 (Life processes)	Nutrition in human beings.	Draw a well labelled diagram of human digestive system.	3

**MAY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Ch- 6(Life processes)	Respiration concept and types of respiration. Respiratory system in human beings.	Set an experiment to show that CO <sub>2</sub> is released during respiration. Draw a well labelled diagram of human respiratory system.	3
2 <sup>nd</sup>	Ch- 6(Life processes)	Respiration in fish and other organisms. Respiration in plants.	Enlist the names of respiratory organs of different organisms.	3
3 <sup>rd</sup>		Summer vacation		
4 <sup>th</sup>		Summer vacation		

#### JUNE

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		Summer vacation		
2 <sup>nd</sup>		Summer vacation		
3 <sup>rd</sup>	Ch-6 (Life processes)	Transportation -concept. Transportation in human beings. Human heart	Make a model of human heart.	3
4 <sup>th</sup>	Ch-6 (Life processes)	Blood, blood vessels and lymphatic system. Transportation in plants.	Show transportation in plants by diagram.	3

#### JULY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Ch-6 (Life processes)	Excretion in human beings. Artificial kidney (Hemodialysis), Organ donation. Excretion in plants	Draw a well labelled diagram of human excretory system. Draw structure of a nephron.	3
2 <sup>nd</sup>	Ch- 7(Control and coordination)	Concept of control and coordination, Animals: Nervous system, reflex action and reflex arc.	Draw and label structure of neuron and neuromuscular junction. Draw diagram to show reflex arc.	3
3 <sup>rd</sup>	Ch- 7(Control and coordination)	Human brain. Neuron and its components.	Draw a well labelled diagram of human brain.	3
4 <sup>th</sup>	Ch- 7(Control and coordination)	Coordination in plants. Plants movement and its types(Nastic and tropic movement), Phytohormones	Set an experiment to show the response of the plant to the direction of light.	3

#### AUGUST

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Ch- 7(Control and coordination)	Chemical coordination, Hormones in animals.	Enlist different hormones and its functions.	3
2 <sup>nd</sup>	Ch-8 (How do organisms reproduce?)	Concept and importance of reproduction. Do organisms create exact copies of themselves?		3
3 <sup>rd</sup>	Ch-8 (How do organisms reproduce?)	The importance of variations. Mode of reproduction: Asexual- Fission, Fragmentation and Regeneration.	Explain binary fission with the help of diagram.	3
4 <sup>th</sup>	Ch-8 (How do organisms reproduce?)	Budding, Vegetative propagation and spore formation	Explain spore formation and budding with the help of diagram.	2

#### SEPTEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		Revision cum mid term exam.		
2 <sup>nd</sup>		Revision cum mid term exam.		
3 <sup>rd</sup>		Revision cum mid term exam.		
4 <sup>th</sup>		Durga puja vacation		



**OCTOBER**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Ch-8 (How do organisms reproduce?)	Sexual reproduction. Why the sexual mode of reproduction? Sexual reproduction in flowering plants.	Draw a well labelled diagram of the L.S of a flower. Show the germination of pollen in stigma.	3
2 <sup>nd</sup>	Ch-8 (How do organisms reproduce?)	Reproduction in human beings. Male and female reproductive system.	Draw and label human male and female reproductive system.	3
3 <sup>rd</sup>	Ch-8 (How do organisms reproduce?)	What happens when the egg is not fertilised? Reproductive health.	Enlist the sexually transmitted diseases with their causes.	3
4 <sup>th</sup>		Dipawali & Chhath Puja vacation		

**NOVEMBER**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Ch-9 (Heredity and evolution)	Concept of heredity and variation. Accumulation of variation during reproduction. Traits and its type.	Observe the ears of all students in the class. Prepare a list of students having free or attached earlobes and calculate the percentage .	3
2 <sup>nd</sup>	Ch-9 (Heredity and evolution)	Rules for the inheritance of traits. Mendel's contribution . How do these traits get expressed , sex determination.	What experiments would do to confirm that the F2 generation did in fact have 1:2:1 ratio of TT,Tt and tt traits combination?	3
3 <sup>rd</sup>	Ch-13 (Our environment)	Ecosystem and its components and types. Food chains and food web, Tropic levels. Flow of energy in ecosystem. Ten% law by Lindeman. Biological magnification.	Draw food chain and food web. Draw diagram showing flow of energy in an ecosystem.	3
4 <sup>th</sup>	Ch-13(Our environment)	Waste production and their solution.. Ozone layer and how it is getting depleted. Waste production and their solution.	Find out the name of chemicals which are responsible for the depletion of the ozone layer .	3

**DECEMBER**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

**JANUARY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

**FEBRUARY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

**MARCH**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

**SUBJECT- SOCIAL SCIENCE**

**Subject- History/Civics**

APRIL				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	The rise of nationalism in Europe	1 French revolution and idea of nation*changes in France after French revolution*Napoleon's reform	Plot on a map of Europe the changes drawn up by the Vienna Congress	4
2 <sup>nd</sup>		2. The making of nationalism *The aristocracy and new middle class *What did liberal nationalism stand for? *New conservative after 1815.*The Revolutionaries	imagine you are a weaver who saw the event as they unfolded. Write a report on what you saw.	4
3 <sup>rd</sup>		3. The age of revolution 1830-1848 *The romantic imagination and national feeling *Hunger hardship and popular revolt *1848 the revolution of the liberals 4. The making of Germany and Italy *Germany -Can the army be the architect of a nation?	Prepare the timeline of different events in Europe	4
4 <sup>th</sup>		*Italy Unified *The strange case of Britain 5.Visualising the nation 6. Nationalism and Imperialism	Start introduction of different personalities of the chapter	4

**MAY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	2. Nationalism in India	1.The first world war , Khilafat and Non - cooperation *The idea of Satyagraha. * The Rowlatt act. *Why non- cooperation ? 2. Differing Strands within the moment *The movement in the towns. *Rebellion in the countryside *Swaraj in the plantation	The year is 1921. You are a student in government controlled school.Design a poster urging school student to answer Gandhiji's call to join the non cooperation movement. If you were a peasant in Uttar Pradesh in 1920 how would you have responded to Gandhiji's call for Swaraj ? Give reason for your response.	4
2 <sup>nd</sup>		3. Towards civil disobedience *The salt march and civil disobedience movement *How participants saw the moment *The limits of civil disobedience 4. The sense of collective belonging	Look at the figure 12 and 14. Do you think this images will appeal to all caste and communities ?	4
3 <sup>rd</sup>		Summer Vacation		
4 <sup>th</sup>		Summer Vacation		

**JUNE**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		Summer Vacation		
2 <sup>nd</sup>		Summer Vacation		

3 <sup>rd</sup>	Section 2 Livelihood Economics and Societies. The making of the Global World	1. The pre modern world *Silk routs link the world *Food travel ; Spaghetti and Potato *Conquest Disease and Trade	Imagine that you are an agricultural worker who has arrived in America from Ireland .Write a paragraph on why you chose to come and how you are earning your living ?	4
4 <sup>th</sup>		Nineteenth century *A Word Economy takes shape. * Role of Technology * Late Nineteenth century colonialism		4

#### JULY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	The making of the Global World	Rinderpest or the cattle Plague *Indentured labour migration from India *Indian entrepreneurs abroad		4
2 <sup>nd</sup>		*Indian trade colonialism and the global system. 3. The inter war economy. *Post war recovery . *Rise of mass production and consumption		4
3 <sup>rd</sup>		*The great depression *India and the great depression 4. 4.Rebuilding a world economy: The post war era		4
4 <sup>th</sup>		*Post war settlement and the Bretton Wood Institution *The early post war years De colonisation and independence . End of Bretton wood and the beginning of Globalisation		4

#### AUGUST

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	The Age of Industrialisation	1.Before the industrial revolution *The coming of factory *The pace of industrial change *Hand labour and steam power.	Give two examples where modern development that is associated with progress has lead to problems .You may like to think of areas related to environmental issues, nuclear weapons or diseases.	4
2 <sup>nd</sup>		*Life of the workers 3.Industrialisation in the colonies *The age of Indian textile *What happened to weavers *Manchester comes to India.	Look at figure 4 and 5. Can you see any difference in the way the two images show industrialisation ? explain your view briefly.	4
3 <sup>rd</sup>		4.Factories come up *The early entrepreneur *Where did the worker come from? 5.The peculiarities of industrial growth.	Imagine that you are a merchant writing back to a salesman who has been trying to persuade you to buy a new machine.explain in your letter what you have heard and why you do not wish to invest in the new technology.	4
4 <sup>th</sup>		*Small scale industries predominate 6 .Market for goods	On a map of Asia find and draw the sea and land links of the textile trade from India to Central Asia, West Asia and South East Asia	4

#### SEPTEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		REVISION		
2 <sup>nd</sup>		REVISION		

3 <sup>rd</sup>		EXAMINATION		
4 <sup>th</sup>		EXAMINATION		

#### OCTOBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>	Section 3 Print Culture and the Modern World	1. The first printed book *Print in Japan 2. Print comes to Europe *Gutenberg and t the printing press	Imagine that you are Marco Polo .Write a letter from China to describe the world of print which you have seen there.	3
3 <sup>rd</sup>		3. The print revolution and its impact * A new reading public * Religious debates and the fear of print *Print and dissent.		2
4 <sup>th</sup>				

#### NOVEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		4. The reading mania * Tremble, therefore tyrant of the world *Print culture and the French Revolution.	You are a bookseller advertising the availability of new cheap printed book. Design a poster for your shop window.	3
2 <sup>nd</sup>		5. The 19th century *Children women and workers * Further innovations. 6. India and the world of print *Manuscript before the age of print.		3
3 <sup>rd</sup>		*Print comes to India . 7. Religious reform and Public debates	Imagine that you are a cartoonist in France before the revolution. Design a cartoon as it would have appeared in a pamphlet.	2
4 <sup>th</sup>		8. New forms of publication *Women and the print *Print and the poor people 9. Print and censorship		3

#### DECEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>				2
3 <sup>rd</sup>				
4 <sup>th</sup>				

#### JANUARY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

#### FEBRUARY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
------	---------	-------	----------	-------------------------

1 <sup>ST</sup>				2
2 <sup>nd</sup>				2
3 <sup>rd</sup>				2
4 <sup>th</sup>				

### MARCH

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				3
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

### SUBJECT- POLITICAL SCIENCE

#### APRIL

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Power Sharing	1.Belgium and Sri Lanka*Ethnic composition 2.Majoritarianism in Sri Lanka	Collect information about the different ethnic group of your state.	2
2 <sup>nd</sup>	Power Sharing	3. Accommodation in Belgium 4.Why power sharing is desirable?		2
3 <sup>rd</sup>	Power Sharing	*Two sets of power sharing. 5.Forms of power sharing		2
4 <sup>th</sup>	Federalism	1.What is Federalism? * Features of Federalism * Types of Federalism.		2

#### MAY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Federalism	2.What makes India a federal Country? * The three list of constitution	Listen to one national and one regional news bulletin broadcast by All India Radio daily for one week make a list of news item related to Central Government ,your own State Government and about the relationship between the central and the state government .	2
2 <sup>nd</sup>		3.How is federalism practiced ? *Linguistic state. *Language policy. * Central state relation		2
3 <sup>rd</sup>				
4 <sup>th</sup>				

#### JUNE

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>	Federalism	4. Decentralization in India. *Meaning. * Need * steps to strengthen decentralisation		2
4 <sup>th</sup>		* steps of 1992 for decentralization. * Local government structure		2

#### JULY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Gender, Religion and Caste	1. Gender and Politics *Public/Private division. *Feminist Movement. Women's political representation		2
2 <sup>nd</sup>		2. Religion Communalism and Politics. * Communalism. * Forms of Communalism. *Secular State		3
3 <sup>rd</sup>		3. Caste and Politics. * Caste inequality		2
4 <sup>th</sup>		*Caste in Politics *Politics in Caste		2

#### AUGUST

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Political Parties	1. Why do we need political parties ? *Meaning * Function * Necessity	Draw the symbol of different state and national parties and write few lines about their policies.	2
2 <sup>nd</sup>		2. How many parties should we have ? * one party. * Two Party. * Multi Party		2
3 <sup>rd</sup>		3. National Party *State Party		2
4 <sup>th</sup>		. Challenges to Political parties. *How can parties be reformed .		2

#### SEPTEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

#### OCTOBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Outcomes of Democracy			
2 <sup>nd</sup>		1. How do we assess democracy's outcome ? 2.*Accountable Responsive and Legitimate government		2
3 <sup>rd</sup>		3.Economic Growth and development 4. Reduction of inequality and poverty		2
4 <sup>th</sup>				

#### NOVEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Outcomes of Democracy	5.Accommodation of Social diversity		2
2 <sup>nd</sup>		6.Dignity and freedom of the citizens		2
3 <sup>rd</sup>				
4 <sup>th</sup>				

#### DECEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED

<b>1<sup>ST</sup></b>			
<b>2<sup>nd</sup></b>			
<b>3<sup>rd</sup></b>			
<b>4<sup>th</sup></b>			

**JANUARY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>ST</sup></b>				
<b>2<sup>nd</sup></b>				
<b>3<sup>rd</sup></b>				
<b>4<sup>th</sup></b>				

**FEBRUARY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>ST</sup></b>				
<b>2<sup>nd</sup></b>				
<b>3<sup>rd</sup></b>				
<b>4<sup>th</sup></b>				

**MARCH**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>ST</sup></b>				
<b>2<sup>nd</sup></b>				
<b>3<sup>rd</sup></b>				
<b>4<sup>th</sup></b>				

**SUBJECT- ECONOMICS**

**APRIL**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>ST</sup></b>	Development	Development: Meaning of Development, National Income and Per Capita Income	Group Discussion on Development Indicators	
<b>2<sup>nd</sup></b>		Development: Sustainable Development and its Importance	Class Presentation on Sustainable Practices	
<b>3<sup>rd</sup></b>		Human Development Index		
<b>4<sup>th</sup></b>		Reports by UNDP		

**MAY**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
<b>1<sup>ST</sup></b>	Sectors of Indian Economy:	Economic Activities, Primary, Secondary, and Tertiary Sectors	Role Play on Different Economic Sectors	
<b>2<sup>nd</sup></b>		Organized and Unorganized Sectors, Public and Private Sectors	Chart Making on Sector Comparison	
<b>3<sup>rd</sup></b>		Summer Vacation	Project Work and Revision	
<b>4<sup>th</sup></b>		Summer Vacation		

**JUNE**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		Summer Vacation		
2 <sup>ND</sup>		Summer Vacation		
3 <sup>RD</sup>	Money and Credit:	Evolution of Money, Modern Forms of Money	Debate on Role of Banking in Economy	
4 <sup>TH</sup>		Formal and Informal Sources of Credit	Case Study on Credit Systems	

#### JULY

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Globalization and the Indian Economy:	Meaning, Factors Enabling Globalization	Discussion on Globalization Impact	
2 <sup>ND</sup>	Globalization:	Role of Multinational Corporations, Impact on Indian Economy	Project on MNCs in India	
3 <sup>RD</sup>				
4 <sup>TH</sup>				

#### AUGUST

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Globalization and the Indian Economy:	Meaning, Factors Enabling Globalization		
2 <sup>ND</sup>				
3 <sup>RD</sup>				
4 <sup>TH</sup>				

#### SEPTEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Development:	Comparison of Different Countries, HDI, Criteria of Development	Mock Discussion on Development Policies	
2 <sup>ND</sup>		Sectors of Indian Economy: Importance of Tertiary Sector, Growth in Different Sectors	Group Project on Sectoral Growth	
3 <sup>RD</sup>				
4 <sup>TH</sup>				

#### OCTOBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>ND</sup>				
3 <sup>RD</sup>				
4 <sup>TH</sup>				

#### NOVEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED



1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

**DECEMBER**

WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				

**Subject- GEOGRAPHY**

APRIL				
WEEK	CHAPTER	TOPIC	ACTIVITY	
1 <sup>ST</sup>				
2 <sup>nd</sup>	CH-1 RESOURCES AND DEVELOPMENT	Type of resources ,Resource planning and development of resources	Prepare a list of stock and reserve resources	No. Of PERIODS REQUIRED
3 <sup>rd</sup>	CH-1 RESOURCES AND DEVELOPMENT	Land Resources, Land Utilisation and Land use pattern in India	Draw a general land use diagram (1.4)	
4 <sup>th</sup>	CH-1 RESOURCES AND DEVELOPMENT	Land degradation and Conservation Measures ,Soil as a Resource	Draw a diagram of Soil profile	

**MAY**

WEEK	CHAPTER	TOPIC	ACTIVITY	
1 <sup>ST</sup>	CH-2 FOREST AND WILDLIFE RESOURCES	Flora and Fauna in India, and Classification of plants and animal species	Collect more information on Wildlife Sanctuaries of India	
2 <sup>nd</sup>	CH-2 FOREST AND WILDLIFE RESOURCES	Conservation of forest and Wildlife in India	Find out stories prevalent in your region which are about harmonious relationship between human beings and nature	No. Of PERIODS REQUIRED
3 <sup>rd</sup>				
4 <sup>th</sup>				

**JUNE**

WEEK	CHAPTER	TOPIC	ACTIVITY	
1 <sup>ST</sup>				
2 <sup>nd</sup>				
3 <sup>rd</sup>	CH-2 FOREST AND WILDLIFE RESOURCE	Types and distribution of forests and wildlife resources		
4 <sup>th</sup>	CH-2 FOREST AND WILDLIFE RESOURCE	Community and Conservation	Suggest some measures to prevent Biodiversity	

**JULY**

WEEK	CHAPTER	TOPIC	ACTIVITY
1 <sup>ST</sup>	CH-3 WATER RESOURCES	Facts and figures ,Water scarcity and The need for water conservation and management	Debate: Topic -WATER CONSERVATION
2 <sup>nd</sup>	CH-3 WATER RESOURCES	Multi-purpose river project and Integrated water resource management	Collect information about flood and drought prone areas of the country
3 <sup>rd</sup>	CH-3 WATER RESOURCES	Rainwater Harvesting	Draw a diagram of Bamboo drip irrigation system
4 <sup>th</sup>	CH-4 AGRICULTURE	Types of farming and Cropping pattern	Write name of some industries based on agricultural raw material.

**AUGUST**

WEEK	CHAPTER	TOPIC	ACTIVITY
1 <sup>ST</sup>	CH-4 AGRICULTURE	Major crops ,Technological and Institutional reforms	Write note on BHODAN GRAMDAN

2 <sup>nd</sup>	CH-4 AGRICULTURE	Food security and Impact of globalisation on agriculture	Organise debate on Food security in India
3 <sup>rd</sup>	CH-4 AGRICULTURE	MAP SKILLS	On an outline map of India show the wheat ,rice ,tea coffee and cotton producing areas
4 <sup>th</sup>	CH-5	Mineral and Energy Resources,Mode of occurrence of minerals	Name the minerals that are used in our daily life

#### SEPTEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY
1 <sup>ST</sup>	CH-5 MINERALS AND ENERGY RESOURCES	Classification of minerals ,Distribution of minerals and Conservation of minerals	Show the distribution of iron ore and bauxite through the Pie chart
2 <sup>nd</sup>		REVISION FOR MID TERM EXAM	
3 <sup>rd</sup>		MID -TERM EXAM	
4 <sup>th</sup>		DURGA PUJA	

#### OCTOBER

WEEK	CHAPTER	TOPIC	ACTIVITY
1 <sup>ST</sup>	CH-5 MINERALS AND ENERGY RESOURCES	Conservation of energy resources	On an outline map of India mark the Atomic and Thermal power plants
2 <sup>nd</sup>	CH-6 MANUFACTURING INDUSTRY	Importance of manufacturing and Industrial location	Debate :Topic -Contribution of Agriculture and Manufacturing industry
3 <sup>rd</sup>	CH-6 MANUFACTURING INDUSTRY	Classification of industries and Agro -based industries	
4 <sup>th</sup>		DEEPAWALI AND CHHATH	

#### NOVEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY
1 <sup>ST</sup>	CH 6 MANUFACTURING INDUSTRY	Mineral based industry,Transport industry and Electronic and Electrical industry	Comparative study between Cotton textile and
2 <sup>nd</sup>	CH-6 MANUFACTURING INDUSTRY	Environmental degradation and Industrial	Draw the fig. of sewage treatment plant under Yamuna action plan
3 <sup>rd</sup>	CH-7 LIFELINES OF NATIONAL ECONOMY	Importance ofTransport and Communication	Draw different traffic signals
4 <sup>th</sup>	CH-7 LIFELINES OF NATIONAL ECONOMY	Contribution of transport to the National Economy ,and Classification of Roadways	Debate : Topic-National Highway

#### DECEMBER

WEEK	CHAPTER	TOPIC	ACTIVITY
1 <sup>ST</sup>	CH-7 LIFELINES OF NATIONAL ECONOMY	Railways and Shipping	Group discussion
2 <sup>nd</sup>	CH-7 LIFELINES OF NATIONAL ECONOMY	Pipelines ,Airways and Communication	Map work
3 <sup>rd</sup>	CH-7 LIFELINES OF NATIONAL ECONOMY	Information Technology ,International Trade and Tourism as a trade in India	Prepare a project on the heritage tourism in India
4 <sup>th</sup>		PRE -BOARD EXAM 2025-26	

#### JANUARY

WEEK	CHAPTER	TOPIC	ACTIVITY
1 <sup>ST</sup>		WINTER BREAK	
2 <sup>nd</sup>		REVISION	
3 <sup>rd</sup>			
4 <sup>th</sup>			

#### FEBRUARY

WEEK	CHAPTER	TOPIC	ACTIVITY
1 <sup>ST</sup>			
2 <sup>nd</sup>			
3 <sup>rd</sup>			
4 <sup>th</sup>			

#### MARCH

WEEK	CHAPTER	TOPIC	ACTIVITY
1 <sup>ST</sup>			
2 <sup>nd</sup>			

3 <sup>rd</sup>			
4 <sup>th</sup>			

**SUBJECT : ARTIFICIAL INTELLIGENCE**

APRIL				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Unit 1: Communication Skills-II	Introduction to Communication:, Types of Communication, Advantages & Disadvantages	Identify the elements of communication & draw a communication cycle., List the 7Cs of communication.	2
2 <sup>nd</sup>	Unit 1: Communication Skills-II	Writing Skills: Parts of Speech,Sentences, Pronunciation Basics, Greetings and Introduction	Identify &Explain the usage of the basic & Supporting parts of speech	2
3 <sup>rd</sup>	Unit 2: Self-Management Skills-II	Introduction to Self-management, Strengths and Weakness Analysis	List the various self-management skills.	2
4 <sup>th</sup>	Unit 2: Self-Management Skills-II	Self-confidence & Positive Thinking, Personal. Hygiene	List your own strengths and weaknesses., List factors that influence self-confidence.	2

MAY				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Unit 2: Self-Management Skills-II	Identifying strengths, weaknesses	Identify ways in which you can develop a positive attitude.	2
2 <sup>nd</sup>	UNIT 1: Revisiting AI Project Cycle & Ethical Frameworks for AI	Understanding AI	Activity: Make a statement about lighting and LUIS will interpret and adjust the house accordingly <a href="https://aidemos.microsoft.com/luis/demo">https://aidemos.microsoft.com/luis/demo</a>	2
3 <sup>rd</sup>	summer vacation	holiday assignment		2
4 <sup>th</sup>	summer vacation	holiday assignment		2

JUNE				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	summer vacation			2
2 <sup>nd</sup>	summer vacation			2
3 <sup>rd</sup>	UNIT 1: Revisiting AI Project Cycle & Ethical Frameworks for AI	AI Project Cycle  Introduction to AI Domains  Ethical Frameworks of AI AI Project Cycle of practical applications within each AI domain.  Learn about the ethical framework for AI and its category. Explore Bioethics, a popular framework that is used in the healthcare industry.	Session: Revisiting AI Project Cycle  The three domains of AI and their applications. Session: Frameworks, Ethical Framework and need of Ethical Frameworks for AI. Activity: My Goodness <a href="https://www.my-goodness.net/">https://www.my-goodness.net/</a>	2
4 <sup>th</sup>	UNIT 1: Revisiting AI Project Cycle & Ethical Frameworks for AI	AI Reflection, AI Project Cycle	Ways to visualise data using various types of graphical tools.	2

JULY				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	UNIT 1: Revisiting AI Project Cycle & Ethical Frameworks for AI	Introduction to AI Project Cycle, Problem Scoping, Data Acquisition, Data Exploration, Modeling , Evaluation, Deployment	Session: Revisiting AI Project Cycle  The three domains of AI and their applications. Session: Frameworks, Ethical Framework and need of Ethical	2
2 <sup>nd</sup>	Project Cycle & Ethical Frameworks for AI	AI Ethics	Session: Introduction to AI and	2

3 <sup>rd</sup>	UNIT 2: Advance Concepts of Modeling in AI	Revisiting AI, ML, DL Modeling Artificial Neural Networks ☒	Session: Differentiate between AI, ML, and DL	2
4 <sup>th</sup>	UNIT 2: Advance Concepts of Modeling in AI	Interpreting Data, Project Interactive Data.	Session: Common terminologies used with data	2
AUGUST				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	UNIT 2: DATA LITERACY	Dashboard & Presentation, Data visualization	Data Exploration/ Data Visualisation ● Need of visualising data ● Ways to visualise data using various types of graphical tools.	2
2 <sup>nd</sup>	Unit 3: ICT Skills-II	Operation system and its type. Apply basic skills for case and maintenance of computer	Identification of task bar, icons, menu etc	2
3 <sup>rd</sup>	Unit 3: ICT Skills-II		Demonstrate the knowledge of application of ICT in our daily life	2
4 <sup>th</sup>	Unit 3: ICT Skills-II	Basic of computer operations, communication and networking	Identify various parts of a mobile device and list their functions.	2
SEPTEMBER				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		REVISION FOR MID TERM EXAMINATION & EXAM.		
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				
OCTOBER				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	UNIT 3: Evaluating Models and Metrics	Importance of Model Evaluation Splitting the training set data for Evaluation Accuracy and Error	Importance of Math for AI ● Finding Patterns in Numbers and images. ● Uses of Math - ○ Statistics ○ Linear Algebra ○ Probability ○ Calculus	2
2 <sup>nd</sup>	UNIT 3: Evaluating Models and Metrics	Evaluation metrics for classification	Activity: ● observe the number pattern and find the missing number. ● To find connections between sets of images and use that to solve problems	2
3 <sup>rd</sup>	UNIT 4: Statistical Data	Evaluation metrics for classification Ethical concerns around model evaluation ☒	How to calculate the probability of an event, understand the concept of Probability using a relatable example.	2
4 <sup>th</sup>	UNIT 4: Statistical Data		Activity: Guess the Real Image vs. the AI-generated image	2
NOVEMBER				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	UNIT 4: Statistical Data	Types of Generative AI, Benefits of using Generative AI	Generative AI vs Conventional AI Benefits of using Generative AI	2
2 <sup>nd</sup>	UNIT 4: Statistical Data	Generative AI tools, Responsible Use of Generative AI	Activity: Guess the Real Image vs. the AI-generated image	2
3 <sup>rd</sup>	Unit 4 : Entrepreneurial Skills-II	Entrepreneurship, Role of Entrepreneurship, Qualities of a Successful Entrepreneur	Identify the characteristics of an entrepreneur., Explain the importance of entrepreneur and its role in country's and society's growth. Identify and describe the qualities of a successful entrepreneur.	2

4 <sup>th</sup>	Unit 4 : Entrepreneurial Skills-II	1. What is Entrepreneurship? 2. Role of Entrepreneurship 3. Qualities and function of a Successful Entrepreneur 4. Myths about entrepreneurship.	Identify difference between product and service business activities. examples as product, service and hybrid businesses. Identify different steps of starting a business.	2
DECEMBER				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	Unit 5: Green Skills-II	Definition of Sustainable development Importance of sustainable development. Problems related to sustainable development,	Presentation on SDGS goal with brief discussion	2
2 <sup>nd</sup>	Unit 5: Green Skills-II	Sustainable Development and Green Economy	Green Economy	2
3 <sup>rd</sup>	UNIT 7: ADVANCE PYTHON	Introduction to Language Python, Modes of Python	Introduction to programming using Online Gaming portals like Code Combat.	2
4 <sup>th</sup>	UNIT 7: ADVANCE PYTHON	Python Programming and its Applications	Introducing python programming and its applications	2
JANUARY				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	UNIT 7: ADVANCE PYTHON	Python Basic -Variables, Arithmetic Operators, Expressions	Python Basics (Variables, Arithmetic Operators, Expressions, Comparison Operators, logical operators, Assignment Operators)	2
2 <sup>nd</sup>	UNIT 7: ADVANCE PYTHON	Understand to work with Jupyter Notebook, creating virtual environments,	Data Types - integer, float, strings, type conversion	2
3 <sup>rd</sup>	UNIT 7: ADVANCE PYTHON	installing Python Packages.	Python Program using print() and input() functions, some simple problem-solving exercises on Python Compiler.	2
4 <sup>th</sup>	UNIT 7: ADVANCE PYTHON	Able to write basic Python programs using fundamental concepts such as variables, data types, operators, and Able to use Python built-in functions and libraries. control structures. ☐	some basic problem-solving exercises using conditional and iterative statements on Python Compiler. Practical: Python Lists, some basic problem-solving exercises using lists on Python Compiler	2
FEBRUARY				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>	REVISION FOR ANNUAL EXAMINATION			
2 <sup>nd</sup>				
3 <sup>rd</sup>				
4 <sup>th</sup>				
MARCH				
WEEK	CHAPTER	TOPIC	ACTIVITY	No. Of PERIODS REQUIRED
1 <sup>ST</sup>		ANNUAL EXAM		
2 <sup>nd</sup>		ANNUAL EXAM		
3 <sup>rd</sup>				
4 <sup>th</sup>				