ANNUAL CURRICULUM PLAN

CLASS IX

(SESSION: 2020-21)

RAMAKRISHNA MISSION ASHRAMA SCHOOL

AFFILIATED TO CENTRAL BOARD OF SECONDARY EDUCATION (CBSE), NEW DELHI
(A branch centre of Ramakrishna Mission, Belur Math, Howrah, W.B.)
Affiliation No: 1530142, School Code: 15442
P.O. : Hatamuniguda, Dist. : Rayagada-765 020, Odisha
Email : hatamuniguda@rkmm.org, Website : rkmhatamuniguda.org

CALENDER FOR THE SESSION-2020-21

APRIL-2020

01st : New session Commences. Admission procedure for class V.

MAY-2020

01st : Summer Vacation for students starts. (Students may leave the campus on 30th April after 5p.m.)
10th : Summer Vacation for Teachers starts. (Teachers may leave the campus on 9th after 4 p.m.)

JUNE-2020

14th : Teachers to report after summer Vacation by 9 a.m.
15th : Students to report at the Hostel after Summer Vacation from 8 am to 8 pm
16th : School re-opens after Summer Vacation. Admission procedure for class XI.
21st : International Yoga Day
22nd : New session for standard XI commences
28th : Naveen Varan Utsav

JULY-2020

5th : Van Mahotsava
13th-18th : First Periodic Test. (Class VI to X)

AUGUST-2020

15th : Independence Day celebration.
22nd : Ganesh Puja celebration.
24th-29th : Second Periodic Test. (Class VI to X)

SEPTEMBER-2020

05th : Teacher's Day Celebration.
16th-30th : Term-I examination for V to XII.

OCTOBER-2020

02nd : Gandhi Jayanti Celebration in the evening
18th-01st : Autumn Vacation commences. Students and Teachers may leave the campus on 17th October after 4p.m.

NOVEMBER-2020

01st : Students & Teachers to report after Autumn Vacation.
02nd : School re-opens after Autumn Vacatio
05th : Result Publication of Mid-Term Examination.
09th-13th : 3rd Periodic Test. (Class VI to X)
14th : Children's Day Celebration from 9.30 am to 12.00 noon at Junior Hostel
14th : Diwali Celebration in the evening.
23rd-28th : First Mock Test for class X and XII.

DECEMBER-2020

14th-19th : Second Mock Test for class X and XII.
21st-23rd : Annual Athletic Meet.
25th : Winter Vacation commences. Teachers and Students may leave school campus on 24th after 5p.m.

JANUARY-2021

03rd : Students and Teachers to report after the Winter Vacation.
04th : School reopens after Winter Vacation.
05th : Sri Sri Maa Sarada Devi's Tithi Puja.
12th : National Youth Day celebration.
13th-19th : 4th Periodic Test. (Class VI to IX)
26th : Republic Day Celebration.

FEBRUARY-2021

04th : Sri Sri Swamiji's Tithi Puja.
7th : Annual Prize Giving ceremony
08th-14th : Third Mock Test for class X and XII.
16th : Saraswati Puja Celebration.

MARCH-2021

11th : Mahashivratri celebration.
10th-22nd : Term-II Examination.
15th : Sri Sri Ramakrishna Deva's Tithi Puja.
29th : Holi celebration.
30th : Result Publication.

The end of all education, all training should be man-making. The end and aim of all training is to make man grow. The training, by which the current and expression of will are brought under control and become fruitful, is called education. –

Swami Vivekananda

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Co – Curricular Activities Calendar for the Session 2020 - 21

JULY-2020

05/07/20 – Odia Recitation Sr. (IX – XII)

12/07/20 – Odia Recitation Jr. (V – VIII)

19/07/20 – Hindi Recitation Sr. (IX – XII)

26/07/20 – Hindi Recitation Jr. (V – VIII)

AUGUST-2020

02/08/20 – English Debate Sr. (IX – XII)

09/08/20 – English Debate Jr. (V – VIII)

16/08/19 – Odia Debate Sr. (IX – XII)

23/08/19 – Odia Debate Jr. (V – VIII)

30/08/20 – Hindi Debate Sr. (IX – XII)

SEPTEMBER-2020

06/09/20 – Hindi Debate Jr. (V – VIII)

13/09/20 – Story Telling Sr. (IX to XII)

OCTOBER-2020

04/10/20 – Story Telling Jr. (V to VIII)

11/10/20 – English Recitation Sr. (IX to XII)

NOVEMBER-2020

08/11/20 – English Recitation Jr. (V to VIII)

15/11/20 – Devotional Song Sr. (IX to XII)

22/11/20 – Devotional Song Jr. (V to VII)

TERM SCHEDULE

RAMAKRISHNA MISSION ASHRAMA SCHOOL

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First Periodic Test : 13 to 18 July, 2020

Sl No.	Date	V	VI	VII	VIII	IX	X	XI	XII
1	13/07/2020	Eng	Maths	Science	SST	Eng	SST	Eng	Phy/Geo
2	14/07/2020	Hindi	Odia	Eng	Hindi	SST	Eng	Chem/ Pol.Sc	Math/Bio/ IP
3	15/07/2020	Odia	Eng	Odia	Maths	Science	Maths	Com.Sc/ Phy.Ed	Chem/ Pol.Sc
4	16/07/2020	Maths	Comp & Science	Comp & Hindi	Comp & Eng	IT	IT	-------	-------
5	17/07/2020	EVS	Hindi	SST	Science	Odia/ Hindi	Odia/ Hindi	Math/Bio/ IP	Eng
6	18/07/2020		SST	Maths	Odia	Maths	Science	Phy/Geo	Com.Sc/ Phy.Ed

Note:

1. Respective subject teacher to take periodic test of 10 marks in their periods.

Second Periodic Test : 24 to 29 August, 2020

Sl No.	Date	V	VI	VII	VIII	IX	X	XI	XII
1	24/08/2020	Odia	Science	Maths	Odia	SST	Eng	Phy/Geo	Eng
2	25/08/2020	EVS	Eng	Odia	Science	Eng	SST	Math/Bio/ IP	Chem/ Pol.Sc
3	26/08/2020	Hindi	Odia	Eng	Comp & Eng	Maths	Science	Chem/ Pol.Sc	Com.Sc/ Phy.Ed
4	27/08/2020	Maths	Comp & Hindi	Comp & Science	Maths	IT	IT	-------	-------
5	28/08/2020	Eng	SST	Hindi	Hindi	Odia/ Hindi	Odia/ Hindi	Eng	Math/Bio/ IP
6	29/08/2020		Maths	SST	SST	Science	Maths	Com.Sc/ Phy.Ed	Phy/Geo

Note:

Respective subject teacher to take periodic test of 10 marks in their periods

Examination Date-Sheet for Term – I, Exam 2020-21 : 16 to 30 September, 2020

Sl No.	Date	V	VI	VII	VIII	IX	X	XI	XII
1	16/09/2020	Odia	Maths	Science	SST	Eng	SST	Eng	Phy/Geo
2	18/09/2020	EVS	Odia	Eng	Hindi	SST	Eng	Chem/ Pol.Sc	Math/Bio/ IP
3	21/09/2020	----	Eng	Odia	Maths	Science	------	Com.Sc/ Phy.Ed	Chem/ Pol.Sc
4	23/09/2020	Maths	Comp	Comp	Comp	IT	IT	-------	-------
5	25/09/2020	Eng	Hindi	SST	Science	Odia/ Hindi	Hindi/ Odia	Math/Bio/ IP	Eng
6	28/09/2020	Hindi	SST	Maths	Odia	Maths	Science	Phy/Geo	Com.Sc/ Phy.Ed
7	30/09/2020	----	Science	Hindi	Eng	------	Maths	------	-------

Timing of Examination

Classes V to XII – 09:00 AM to 12:00 NOON

Venue of Examination

Classes V to XII – RKM Ashrama School, Hatamuniguda

Third Periodic Test : 09 to 13 November, 2020

Sl No.	Date	V	VI	VII	VIII	IX	X	XI	XII
1	09/11/2020	Odia	Maths	Science	Eng	Eng	SST	Eng	Phy/Geo
2	10/11/2020	EVS	Science	Eng	Odia & Hindi	SST	Eng 5	Chem/ Pol.Sc	Math/Bio/ IP
3	11/11/2020	Hindi	Eng	Odia & Hindi	Maths	Science	Odia / Hindi	Com.Sc/ Phy.Ed	Chem/ Pol.Sc
4	12/11/2020	Maths	Comp & SST	Comp & SST	Comp & SST	IT & Maths	IT & Sciencs	Phy/Geo	Com.Sc/ Phy.Ed
5	13/11/2020	Eng	Hindi & Odia	Maths	Science	Odia / Hindi	Maths	Math/Bio/ IP	Eng

Note:

1. Respective subject teacher to take periodic test of 10 marks in their periods.

Fourth Periodic Test : 13 to 19 January, 2021

Sl No.	Date	V	VI	VII	VIII	IX	XI
1	13/01/21	Odia	Science	Maths	Odia	SST	Phy/Geo
2	14/01/21	EVS	Eng	Odia	Science	Eng	Math/Bio/ IP
3	15/01/21	Hindi	Odia	Eng	Comp & Eng	Maths	Chem/ Pol.Sc
4	16/01/21	Maths	Comp & Hindi	Comp & Science	Maths	IT	-------
5	18/01/21	Eng	SST	Hindi	Hindi	Odia/ Hindi	Eng
6	19/01/21	-------	Maths	SST	SST	Science	Com.Sc/ Phy.Ed

Note:

1. Respective subject teacher to take periodic test of 10 marks in their periods.

Examination Date-Sheet for Term – II, Exam 2020-21 : 10 to 22 March, 2021

Sl No.	Date	V	VI	VII	VIII	IX	XI
1	10/03/2021	Odia	Science	Math	English	Social Science	Math/Bio/ IP
2	12/03/2021	EVS	English	Social Science	Social Science	English	Eng.
3	15/03/2021	----	Com. Science	Odia	Hindi	Hindi/Odia 6	Phy. Ed
4	17/03/2021	Math	Odia	English	Com. Science	Math	Chem/ Pol. Sc.
5	19/03/2021	Hindi	Math	Science	Science	Inform. Techno.	Physics
6	20/03/2021	Eng.	Social Science	Hindi	Math	Science	Com. Sc./ Geo
7	22/03/2021	----	Hindi	Com. Science	Odia	-------	-------

Timing of Examination

Classes V to IX & XI – 09:00 AM to 12:00 NOON

Venue of Examination

Classes V to IX & XI – RKM Ashrama School, Hatamuniguda

Assessment Procedure by CBSE for the Academic Session 2020-21 (Class IX)

1. Scholastic Area:

	Total 100 marks **(Syllabus for assessment will be only Class – IX)**				
Subjects	**80 marks** **(Annual Examination)** Student has to score 33% marks out of 80 marks in each subject	**20 marks** **(Internal Assessment)** **Student has to score 33% marks out of overall 20 marks earmarked in each subject**			
		Pen Paper Test (Weightage: 5%)	Multiple Assessment (Weightage: 5 marks)	Portfolio (5 marks)	Subject Enrichment Activity (5 marks)
		(i)	(ii)	(iii)	(iv)
Language 1	School will conduct Class–IX Examination for 80 marks in each subject covering 100% syllabus of the subject of Class – IX only. • 20 marks for Objective type including Multiple Choice Questions • 60 marks for subjective questions	Periodic written test, restricted to three in each subject in an Academic Year. **Average of the best two tests to be taken for final marks submission**	This will include quizzes, oral test, concept map, exit cards, visual expression etc.	This will cover: Classwork plus peer assessment, self -assessment, achievements of student in the subject, reflections, narrations, journals, etc.	Speaking & Listening Skills
Language 2					Speaking & Listening Skills
Mathematics					Math's Lab Practical
Science					Practical Work
Social Science					Project Work

Grading Scale for Scholastic Areas:

Marks Range	Grade
91 – 100	A1
81 – 90	A2
71 – 80	B1
61 – 70	B2
51 – 60	C1
41 – 50	C2
33 – 40	D
32 & below	E (Failed)

2. Co-Scholastic Activities:

For the holistic development of the students, co-curricular activities in the following areas will be graded on a 5-point grading scale (**A-E**). The aspect of regularity, sincere participation, output and teamwork will be the generic criteria for grading in the following co-scholastic activities.

Activity	To be graded on a 5-point scale (A-E)
Work Education	By the concerned teacher
Art Education	By the concerned teacher
Health and Physical Education (Sports / Martial Arts / Yoga / NCC etc.)	By the PE Teacher

3. Discipline (Attendance, Sincerity, Behaviour, Values):

The students will also be assessed for the discipline, which will be based on the factors like attendance, sincerity, behaviour, values and tidiness, respectfulness for rules and regulations, attitude towards society, nation and others. Grading on Discipline will be done term-wise on a 5-point grading scale (**A-E**).

Suggested Subject Enrichment Activities

English

Discussion/ Debate, Grammar Usage, Writing Skills, Dictation, Speaking & Listening Skills, Reading Aloud, Dictionary Usage

Mathematics

Lab Activity, Hands on Activity

Science

Lab Activity, Hands on Activity, New terms, Diagrams

Social Science

Map work, Key Terms, Video, Project, Assignment, Flow chart, Role Play, Quiz, Debate, Case study, Survey and Group Discussion

Computer Science

Lab Activity, Hands on Activities, Projects, Presentation, Case study, Group Discussion

Curriculum Plan of English Language and Literature
Session (2020-21)

Month **Topic**	**Theme/Audio Visual Inputs**	**Assignment /Discussion**	**Listening, Speaking, Reading and Writing Skills**	**Core Skills/Art Integration/ Interdisciplinary Linkages**
May Beehive • Prose 1 The Fun They Had • Prose 2 The Sound of Music • Poem 1 The Road Not Taken Moments • Lesson 1 The Lost Child	• Understanding the Genre ○ Science Fiction ○ Autobiography ○ Narrative Poem ○ Mystery • Central Idea • A/V Inputs (on the theme of literature lessons and poems)	• Assignment ○ Literature lessons and Poems (Text based, Activity, Adverbs, Use of 'If not' and 'Unless', Infinitive, One word substitution, Dictionary work,) • Discussion of Scoring Points/ Marking Scheme/ Sample Questions	• Listening Skills ○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs • Reading Skills ○ Reading for appreciation of poems, Poem Recitation, Reading for pleasure, Extended reading, Silent Reading, Scanning • Speaking Skills ○ Speech, Debate, Poem recitation • Writing Skills ○ Formal Letter	• Inter-disciplinary Linkage ○ Information about Virtual Reality, AI • Core Life Skills ○ Coping with Stress and Emotions, Problem Solving, Self-awareness, Decision making • Core Value Concerns ○ Self-confidence, Motivation, Social responsibility
June Beehive • Poem 2 Wind • Poem 3 Rain On The Roof • Prose 3 The Little Girl Moments • Lesson 2 The Adventure of Toto Lesson 3 Iswaran the Storyteller	• Understanding the Genre ○ Short story ○ Fiction • Central idea • A/V Inputs • (on the theme of literature lessons and poem)	• Assignment Literature lessons and Poems (Text based, Activity, Synonyms, Reporting verbs, Different meaning of words in different contexts) • Discussion of Scoring Points/ Marking Scheme/ Sample Questions	• Listening Skills ○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs • Reading Skills ○ Reading for appreciation of poems, Poem Recitation, Reading for pleasure, Extended reading, Silent Reading, Scanning • Speaking Skills ○ Story narration • Writing Skills • Story	• Inter-disciplinary Linkage ○ Information about natural phenomena of Earth • Core Life Skills ○ Self-awareness, Interpersonal relationship, Problem solving • Core Value Concerns • Respect, Courtesy, Self-confidence, Self-regulation of feelings and emotions to face challenges of life

Month Topic	Theme/Audio Visual Inputs	Assignment /Discussion	Listening, Speaking, Reading and Writing Skills	Core Skills/Art Integration/ Interdisciplinary Linkages
July Beehive • Prose 4 A Truly Beautiful Mind • Prose 5 The Snake and The Mirror • Poem 4 The Lake Isle Of Innisfree • Poem 5 A Legend of the Northland Moments • Lesson 4 In The Kingdom Of Fools	• Understanding the Genre ○ Biography ○ Fiction ○ Ballad ○ Short story • Central Idea • A/V Inputs (on the theme of literature lessons and poem)	• Assignment ○ Literature lessons and Poem (Text based, Activity, Synonyms, Participle, Match the meanings, Reported speech) • Discussion of Scoring Points/ Marking Scheme/ Sample Questions	• Listening Skills ○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs • Reading Skills ○ Reading for appreciation of poems, Poem Recitation, Reading for detail, Reading for pleasure, Extended reading, Silent Reading, Scanning • Speaking Skills ○ Role play, PPt presentation • Writing Skills ○ Story	• Inter-disciplinary Linkage ○ Geographical location of Ireland and the Lake Isle ○ Science of Theory of Relativity • Core Life Skills ○ Self – awareness, Critical and Creative thinking • Core Values Concern- ○ Responsibility towards one's work, Appreciation for beauty and Aesthetics
			PERIODIC TEST - 1	
August Beehive • Prose 6 My Childhood • Poem 6 No Men Are Foreign Moments • Lesson 5 The Happy Prince • Lesson 6 Weathering the Storm in Ersama	• Understanding the Genre ○ Non-fiction ○ Autobiography ○ Short story ○ Non narrative poem • Central Idea • A/V Inputs (on the theme of literature lessons and poem)	• Assignment ○ Literature lessons and Poem (Text based, Activity, Different meaning of words in different contexts, Formation of opposite words by adding prefixes, Passive voice) • Discussion of Scoring Points/ Marking Scheme/ Sample Questions	• Listening Skills ○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs • Reading Skills ○ Reading for appreciation of poems, Poem Recitation, Reading for detail, Reading for pleasure, Extended reading, Silent Reading, Scanning • Speaking Skills ○ Speech • Writing Skills ○ Article	• Inter-disciplinary Linkage ○ Preparedness during a calamity • Core Life Skills ○ Empathy, Decision making • Core Values Concern ○ Love, Care and Compassion
September Beehive • Poem 7 The Duck And The Kangaroo Moments • Lesson 7 The Last Leaf	• Understanding the Genre ○ Fable ○ Short story • Central Idea	• Assignment ○ Literature lessons and Poem (Text based, Activity.) Match the Discussion of Scoring Points/	• Listening Skills ○ Dictation, Oral Comprehension Check, A/V Inputs • Reading Skills ○ Reading for appreciation of poems, Poem Recitation, Reading for detail,	• Core Life skills ○ Creative thinking, Inter-personal relationship • Core Values Concern ○ Respect and care for harmony

Month Topic	Theme/Audio Visual Inputs	Assignment /Discussion	Listening, Speaking, Reading and Writing Skills	Core Skills/Art Integration/ Interdisciplinary Linkages
	• A/V Inputs (on the theme of literature lessons and poem)	Marking Scheme/ Sample Questions	○ Reading for pleasure, Extended reading, Silent Reading, Scanning • Speaking Skills ○ Poem recitation • Writing Skills ○ Paragraph	
			TERM – I EXAMINATION	
October Beehive • Prose 7 Packing • Poem 8 On Killing A Tree Moments • Lesson 8 A House Is Not Home	• Understanding the Genre ○ Travelogue ○ Protest poem ○ Short story • Central Idea • A/V Inputs (on the theme of literature lessons and poem)	• Assignment ○ Literature lessons and Poem (Text based activity, Match the meanings, Imperative sentences, Affirmative and negative sentences, Use of 'had better') • Discussion of Scoring Points/ Marking Scheme/ Sample Questions	• Listening Skills ○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs • Reading Skills ○ Reading for appreciation of poems, Poem Recitation, Reading for pleasure, Extended reading, Silent Reading, Scanning • Speaking Skills ○ Talk Time, Poem recitation • Writing Skills ○ Article	• Inter-disciplinary Linkage ○ Scientific significance of Trees • Core Life skills ○ Inter personal relationship • Core Values Concern ○ Self-confidence, Humility and Politeness
November Beehive • Prose 8 Reach for the Top • Prose 9 The Bond Of Love Poem 9 The Snake	• Understanding the Genre- ○ Biography ○ Fiction ○ Realistic Fiction ○ Elegy	• Assignment ○ Literature lessons and Poem. (Text based activity, One word substitution, Clauses, Word	• Listening Skills ○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs • Reading Skills ○ Reading for appreciation of poems, Poem Recitation, Reading for detail, Reading for pleasure, Extended reading, Silent Reading, Scanning	• Inter-disciplinary Linkage ○ Animal care and organisations working towards the aim • Core Life Skills ○ Inter personal relationship • Core Values Concern Responsibility towards one's work /duty

• Trying • Poem 10 A Slumber Did My Spirit Seal Moments • Lesson 9 The Accidental Tourist	• Central Idea • A/V Inputs (on the theme of literature lessons and poem)	formation, Identifying silent letter, Adverbs, Adverbial phrases.) Discussion of Scoring Points/ Marking Scheme/ Sample Questions	• Speaking Skills ○ Group Discussion • Writing Skills ○ Diary Entry	○
	•	•	**PERIODIC TEST - 2**	•
December Beehive • Prose 10 Kathmandu • Prose 11 If I Were You Moments Lesson 10 The Beggar	• Understanding the Genre- ○ Travelogue ○ One act play ○ Realistic Fiction • Central Idea • A/V Inputs (on the theme of literature lessons and poem)	• Assignment ○ Literature lessons and Poem. (Text based activity, Phrasal verbs, Formation of nouns by adding –ion or –tion, Punctuation, Simple present tense, Correct forms of verbs, Homonyms, Dictionary Use, Inter change of parts of speech) Discussion of Scoring Points/ Marking Scheme/	• Listening Skills ○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs • Reading Skills ○ Reading for appreciation of poems, Poem Recitation, Reading for detail, Reading for pleasure, Extended reading, Silent Reading, Scanning • Speaking Skills ○ Role play • Writing Skills Story	• Inter-disciplinary Linkage ○ Geographical identity of Nepal • Core Life Skills ○ Inter personal relationship, Empathy • Core Values Concern Social Responsibility, Respect and care for humanity
January	**REVISION**			
February	**REVISION**			
March	**TERM – II EXAMINATION**			

Mathematics Curriculum Plan
(Session: 2020-2021)

Month Topic	Sub Topic	
May **Topic**: Real Numbers **No. of Periods**: 16	1. Review of representation of natural numbers, integers, and rational numbers on the number line. Representation of terminating / non-terminating recurring decimals on the number line through successive magnification. Rational numbers as recurring/ terminating decimals. Operations on real numbers. 2. Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as $\sqrt{2}$, $\sqrt{3}$ and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number. 3. Definition of nth root of a real number. 4. Rationalization (with precise meaning) of real numbers of the type $\frac{1}{a+b\sqrt{x}}$ and $\frac{1}{\sqrt{x}+\sqrt{y}}$ (and their combinations) where x and y are natural number and a and b are integers. 5. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)	• Lab Activity ○ Construct a square root spiral. • Assignment ○ Number System • Discussion of Scoring Points/ Marking Scheme/Sample Questions
Topic: Polynomials **No. of Periods**: 23	Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. Factors and multiples. Zeros of a polynomial. Motivate and State the Remainder Theorem with examples. Statement and proof of the Factor Theorem. Factorization of $ax^2 + bx + c$, $a \neq 0$ where a, b and c are real numbers, and of cubic polynomials using the Factor Theorem. Recall of algebraic expressions and identities. Verification of identities: $(x + y + z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$, $(x \pm y)^3 = x^3 \pm y^3 \pm 3xy\,(x \pm y)$, $x^3 - y^3 = (x - y)(x^2 + xy + y^2)$, $x^3 + y^3 = (x + y)(x^2 - xy + y^2)$, $x^3 + y^3 + z^3 - 3xyz = (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx)$ and their use in factorization of polynomials.	• Lab Activity ○ Verify the algebraic identity: $(a + b)^2 = a^2 + b^2 + 2ab$ • Assignment ○ Polynomials • Discussion of Scoring Points/ Marking Scheme/Sample Questions

Month Topic	Sub Topic	Miscellaneous
June Topic: Coordinate Geometry **No. of Periods**: 6	The Cartesian plane coordinates of a point, names and terms associated with the coordinate plane, notations, plotting points in the plane.	• Assignment ○ Coordinate Geometry • Discussion of Scoring Points/ Marking Scheme/Sample Questions
Topic: Linear equations in two variables **No. of periods**: 14	Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type ax+by+c=0. Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, plotting them and showing that they lie on a line. Graph of linear equations in two variables. Examples, problems from real life, including problems on Ratio and Proportion and with algebraic and graphical solutions being done simultaneously.	• Lab Activity ○ Verify that if two lines intersect each other • Assignment ○ Coordinate Geometry • Discussion of Scoring Points/ Marking Scheme/Sample Questions
July **Topic**: Introduction to Euclid's Geometry (not for assessment) **No. of periods**: 06	History - Geometry in India and Euclid's geometry. Euclid's method of formalizing observed phenomenon into rigorous Mathematics with definitions, common/obvious notions, axioms/ postulates and theorems. The five postulates of Euclid. Equivalent versions of the fifth postulate. Showing the relationship between axiom and theorem, for example: (Axiom) 1. Given two distinct points, there exists one and only one line through them. (Theorem) 2. (Prove) Two distinct lines cannot have more than one point in common.	• Assignment ○ Introduction to Euclid's Geometry • Discussion of Scoring Points/ Marking Scheme/Sample Questions
Topic: Lines and Angles **No. of periods**: 13	1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is 180° and the converse. 2. (Prove) If two lines intersect, vertically opposite angles are equal. 3. (Motivate) Results on corresponding angles, alternate angles, interior angles when a transversal intersects two parallel lines. 4. (Motivate) Lines, which are parallel to a given line, are parallel. 5. (Prove) The sum of the angles of a triangle is 180°. 6. (Motivate) If a side of a triangle is produced, the exterior angle so formed is equal to the sum of the two interior opposite angles.	• Lab Activity ○ Verify that the sum of all angles o triangle is 180° • Assignment ○ Lines and Angles • Discussion of Scoring Points/ Marking Scheme/Sample Questions
	PERIODIC TEST: 1	•

Month Topic	Sub Topic	Miscellaneous
August **Topic**: Triangles **No. of periods**: 20	1. (Motivate) Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle (SAS Congruence). 2. (Prove) Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle (ASA Congruence). 3. (Motivate) Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle (SSS Congruence). 4. (Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle. (RHS Congruence) 5. (Prove) The angles opposite to equal sides of a triangle are equal. 6. (Motivate) The sides opposite to equal angles of a triangle are equal. 7. (Motivate) Triangle inequalities and relation between 'angle and facing side' inequalities in triangles.	• Lab Activity ○ Verify different criteria for congruency of triangle • Assignment ○ Triangles • Discussion of Scoring Points/ Marking Scheme/Sample Questions
Topic: Quadrilaterals **No. of Periods:** 10	1. (Prove) The diagonal divides a parallelogram into two congruent triangles. 2. (Motivate) In a parallelogram opposite sides are equal, and conversely. 3. (Motivate) In a parallelogram opposite angles are equal, and conversely. 4. (Motivate) A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal. 5. (Motivate) In a parallelogram, the diagonals bisect each other and conversely. 6. (Motivate) In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and in half of it and (motivate) its converse.	• Lab Activity ○ verify that sum of opposite angles of cyclic quadrilateral is 360° • Assignment ○ Quadrilaterals • Discussion of Scoring Points/ Marking Scheme/Sample Questions
	PERIODIC TEST: 2	•
September **Topic**: Area **No. of Periods:** 07	**Review concept of area, recall area of a rectangle.** 1. (Prove) Parallelograms on the same base and between the same parallels have equal area. 2. (Motivate) Triangles on the same base (or equal bases) and between the same parallels are equal in area.	• Assignment ○ Area • Discussion of Scoring Points/ Marking Scheme/Sample Questions

Month Topic	Sub Topic	Miscellaneous
Topic: Circles **No. of Periods:** 15	Through examples, arrive at definition of circle and related concepts-radius, circumference, diameter, chord, arc, secant, sector, segment, subtended angle. 1. (Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse. 2. (Motivate) The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord. 3. (Motivate) There is one and only one circle passing through three given non-collinear points. 4. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely. 5. (Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle. 6. (Motivate) Angles in the same segment of a circle are equal. 7. (Motivate) If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle. 8. (Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.	• Lab Activity ○ Verify that angles in the same segment are equal • Assignment ○ Circles • Discussion of Scoring Points/ Marking Scheme/Sample Questions
	TERM-I EXAMINATION	
October **Topic**: Constructions **No. of Periods:** 10	1. Construction of bisectors of line segments and angles of measure 60º, 90º, 45º etc., equilateral triangles. 2. Construction of a triangle given its base, sum/difference of the other two sides and one base angle. Construction of a triangle of given perimeter and base angles.	• Assignment ○ Constructions • Discussion of Scoring Points/ Marking Scheme/Sample Questions
November **Topic: Areas** **No. of period 04** **Periods: 04**	Area of a triangle using Heron's formula (without proof) and its application in finding the area of a quadrilateral.	• Lab Activity ○ Find the formula for area of trapezium • Assignment ○ Areas • Discussion of Scoring Points/ Marking Scheme/Sample Questions

Month **Topic**	**Sub Topic**	**Miscellaneous**

Topic: Surface Areas and Volumes
No of periods: 12
	Surface areas and volumes of cubes, cuboids, spheres (including hemispheres) and right circular cylinders/cones.	• Lab Activity
		  ○ Find the formula for finding area and volume of objects
		• Assignment
		  ○ Surface Areas and Volumes
		• Discussion of Scoring Points/ Marking Scheme/Sample Questions

	PERIODIC TEST: 3	□

December
Topic: Statistics
No of periods: 13
	Introduction to Statistics: Collection of data, presentation of data — tabular form, ungrouped / grouped, bar graphs, histograms (with varying base lengths), and frequency polygons. Mean median and mode of ungrouped data.	• Lab Activity
		  ○ Draw histogram for **classes** of equal widths and varying widths
		• Assignment
		  ○ Statistics
		• Discussion of Scoring Points/ Marking Scheme/Sample Questions

Topic: Probability **No of periods:** 09	History, Repeated experiments and observed frequency approach to probability. Focus is on empirical probability. (A large amount of time to be devoted to group and to individual activities to motivate the concept; the experiments to be drawn from real – life situations, and from examples used in the chapter on statistics).	• Assignment ○ Probability • Discussion of Scoring Points/ Marking Scheme/Sample Questions
January	**PERIODIC TEST: 4** **&** **REVISION**	
February	**REVISION**	
March	**TREM - II EXAMINATION**	

Curriculum Plan of Science Session (2020-21)

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
May **Topic**: Matter in our surrounding **No. of Periods**: 12	Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state-melting (absorption of heat), freezing, evaporation, condensation, sublimation.	Videos to show the difference between three states of matter, latent heat of fusion and vaporisation and sublimation process.	**Interdisciplinary Linkage**: Math's **Diagrams:** Fig 1.5, 1.6, 1.7, 1.9. (NCERT) **Art Integration:** Drawing figure of states of matter, conversion of ice to water, (b) conversion of water to water vapour, sublimation of ammonium chloride, interconversion of the three states of matter.	Determination of the melting point of ice and the boiling point of water	1.Assignment on Matter in our surroundings 2.Discussion of Scoring Points/ Marking Scheme/ Sample Questions
Topic : Motion **No of periods:** 12	Concept of Distanc and Displacemen velocity, unifor and non-unifor motion along straight lin Concept of spee velocity, acceleration, velocity time grap for uniform motic and uniform accelerated motio Derivation equations of motio Elementary idea of uniform circular motion	Videos to show the concept of distance, displacement , uniform and non-uniform motion. Videos to show different types of graphs	**Interdisciplinary Linkages:** Maths **Diagrams:** Distance-time graph, uniform circular motion, (NCERT) **Art Integration:** Drawing graphs to show distance time graph of an object moving with uniform speed, Distance-time graph for a car moving with non-uniform speed, Velocity-time graph for uniform motion, velocity- time graph for a car moving with uniform acceleration, velocity-time graph of an object in a non- uniform acceleration.	(i) Discussion of Practical based Question and revision of practicals.	1.Assignment on motion of different objects. 2.Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
	Cell - basic unit of life: prokaryotic and eukaryotic cells, multicellular organisms, cell membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus, nucleus, chromosome basic structure, number.	Videos to show the difference between Prokaryotic and Eukaryotic cells, difference between plants and animal cell.	**Diagrams:** Fig 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8 (NCERT) **Art Integration:** Drawing figures of Compound Microscope, Cells of an onion peel, various cells from the human body, Prokaryotic cell, Animal cell, Plant cell, Mitosis and Meiosis.	1. Preparation of stained temporary mounts of (a) onion peel, (b) Human cheek cells and to record observations and draw their labelled diagrams.	2. Assignment on Cell - The fundamental unit of life. 3. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
June **Topic**: Cell- The fundamental unit of life. **No. of Periods**: 10 **Topic**: Force and Laws of Motion **No. of Periods**: 12	Concept of Force and Motion, Newton's Laws of Motion, Concept of Inertia, Mass, Concept of Momentum, Conservation of Momentum, Concept of action and reaction force.	Videos to show the concept of Newton's law of motion, law of conservation of Mass.	**Interdisciplinary Linkages:** Maths **Diagrams:** Galileo's experiment, Newton's first law, Newton's second law. (NCERT) **Art Integration:** Drawing figure to show the difference between balanced and unbalanced force, law of conservation of mass.	Discussion of Practical based Question and revision of practical.	1. Assignment on examples of Laws of Motion connected with reality. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
July Topic: Is matter around us pure? **No. of Periods**: 15	Nature of matter: Elements, compounds and mixtures, solution, colloids and suspension, Heterogeneous and Homogenous mixtures.	Videos to show the difference between mixture and compounds, types of solutions, Various techniques to separate components of a mixture.	**Interdisciplinary Linkage**: Maths, Life Sciences **Diagrams:** Fig 2.2, 2.3, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10 (NCERT) **Art Integration:** Drawing figures of Sublimation, evaporation, chromatography, Fractional distillation..	1. Preparation of a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of • transparency • filtration criterion • stability 2. Preparation of a) A mixture b) A compound using iron filings and sulphur powder and distinguishing between these on the basis of: (ii) appearance, i.e., homogeneity and heterogeneity (a) behaviour towards a magnet (iii) behaviour towards carbon disulphide as a solvent (iv) effect of heat 3.Separation of the	1. Assignment on- Is matter around us pure? 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

				components of a mixture of sand, common salt and ammonium 4.Perform the following reactions and classify them as physical or chemical changes: a) Iron with copper sulphate solution in water b) Burning of magnesium ribbon in air c) Zinc with dilute sulphuric acid d) Heating of copper sulphate crystals Sodium sulphate with barium chloride in the form of their solutions in water	
Topic: Tissues **No. of Periods**: 10	Structure and functions of animal and plant tissues (only four types in animals; Meristematic and Permanent tissues in plants.	Videos to show different types of tissue i.e., simple and complex tissue.	**Mind Maps:** Concept maps to show the different type of tissues. **Diagrams:** Fig 6.2, 6.3, 6.4, 6.7, 6.8, 6.9, 6.10, 6.11, 6.12 (NCERT) **Art Integration:** Drawing the diagrams Neuron, Location of meristematic tissue in plant body, Section of a stem, Various types of simple tissue (Parenchyma, Collenchyma and Sclerenchyma), types of complex tissue, different types of epithelial tissues.	Identification of Parenchyma, collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labelled diagrams. Section of a stem and showing simple and complex permanent tissue.	1.Assignment on Tissues. 2.Discussion of Scoring Points/ Marking Scheme/ Sample Questions
			PERIODIC TEST - 1		3.

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
August Topic: Diversity in living organisms **No. of Periods**: 15	Diversity of plants and animals-basic issues in scientific naming, basis of classification. Hierarchy of categories /groups. Major groups of plants (salient features) (Bacteria, Thallophyta, Bryophyta, Pteridophyta, Gymnosperm, Angiosperm). Major group of animals (salient features) (Non-chordates up to phyla and Chordates up to classes.	Video to show five kingdom classification and characteristic s of different Kingdoms.	**Interdisciplinary Linkages:** Maths **Diagrams**: Fig 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.1, 7.12, 7.13, 7.14, 7.15, 7.16, 7.17, 7.18, 7.19, 7.20, 7.27. (NCERT) **Art Integration:** Drawing figures of Monera, Porifera, Fungi, Five kingdom classification, Thallophyta, Pteridophyta, Gymnosperms, Classification of Plants, Porifera, Coelenterata, Platyhelminthes, Nematoda, Arthropoda, Molluscas, Protochordata.	1. Study of the characteristics of Spirogyra, Agaricus, Moss, Fern, Pinus (either with male or female cone) and an Angiospermic plant. Draw and give two identifying features of the groups they belong to. 2. Observe the given pictures/ charts/ models of earthworm, cockroach, bony fish and bird. For each organism, draw his or her picture and record: a) one specific feature of its phylum. b) one adaptive feature with reference to its habitat. 3. Study of the external features of root, stem, leaf and flower of monocot and dicot plants.	1. Assignment on Diversity in living organisms- Trace the evolutionary relationship between different plant groups, different animal groups. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
Topic: Gravitation **No. of Periods**: 12	Universal law of gravitation, Force of Gravitation of Earth, Concept of Acceleration due to Gravity, Concept of Mass, Weight and free fall Concept of thrust and pressure, Archimedes' Principle, Concept of buoyancy, Concept of Density, Concept of Relative Density	Videos to show concept of Universal law of Gravitation, Weight and Mass, Archimedes' Principle, Concept of buoyancy, Concept of Density, Concept of Relative Density	**Interdisciplinary Linkages** Maths **Diagrams:** Gravitational force between two objects., condition of flotation	1. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. 2. Establishing the relation between the losses in weight of a solid when fully immersed in a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.	3. Assignment on Gravitation 4. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
September	Revision				
			TERM - I EXAMINATION		
October **Topic:** Why do we fall ill? **No. of Periods**: 10	Health and its failure. Infectious and non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria, and Protozoans) and their prevention. Principle of treatment and prevention, Pulse Polio programs	Videos to show common methods of transmission of disease, means of spread, organ – specific and tissue-specific manifestation, principle of treatment.	Videos to show concept of immunization, difference between infectious and non- infectious diseases.	Discussion of Practical based Question and revision of practicals.	1. Assignment on Why do we fall ill? Cause of disease, transmission of disease, principle of prevention. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
November **Topic:** Structure of Atom **No. of Periods**: 13	Electrons, protons and neutron, Various models of atoms like (a) Thomson's model of atom (b) Rutherford's model of an atom (c) Bohr's model of an atom. Electronic configuration, Valency, atomic number, atomic mass and isobars and isotopes.	Videos to show Various model of atoms like (a) Thomson's model of atom (b) Rutherford's model of an atom (c) Bohr's model of an atom.	**Interdisciplinary Linkage**: Maths **Diagrams:** Fig 4.4, 4.2, 4.3, 4.4 (NCERT) **Art Integration:** Drawing the diagrams of the various atomic models: J.J. Thomson atomic model, Rutherford's Atomic model, Neil Bohr Atomic model.	Discussion of Practical based Question and revision of practicals.	1. Assignment on Structure of Atom 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
Topic: Work, Energy & Power **No. of Periods**: 12	Concept of work done by a force, energy, Kinetic and Potential energy, Law of conservation of energy, Introduction to power Commercial unit of Energy	Videos to show the concept of Kinetic Energy, potential energy and law of conservation of energy.	**Interdisciplinary Linkages:** Maths **Diagrams:** work done, potential energy, kinetic energy . **Art Integration:** Drawing figures to show potential energy of an on object.	Discussion of Practical based Questions and revision of practicals.	1. Assignment to take the reading of house meter 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
			PERIODIC TEST – 2		
December Topic: Natural Resources **No. of Periods**: 15	Physical resources: Air, water, Soil. Air for respiration, for combustion, for moderating temperatures, movement of air and its role in bringing rains across India. Air, water and soil pollution. Holes in ozone layer and the probable damages. Biogeochemical cycle in nature: water, oxygen, carbon, nitrogen	Videos to show different Biogeochemical cycles.	**Diagrams:** Fig 14.5, 14.6, 14.7, 14.8. **Art Integration:** Drawing figures to show water cycle, Nitrogen cycle, Carbon cycle, Oxygen cycle.	Discussion of Practical based Question and revision of practicals.	1. Assignment on Natural Resources. Greenhouse effect Ozone Layer depletion, water pollution, air pollution 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
January Topic: Sound **No. of Periods**: 12	Nature and propagation in various media Speed of sound, Concept of range of hearing in humans, Concept and uses of ultra sound, Reflection of sound echo and SONAR, Function & Working of Human Ear.	Videos to show working of Human Ear, and Characteristics of Sound.	**Interdisciplinary Linkages:** Maths **Diagrams:** Fig 12.1, 12.6, 12.7, 12.8, 12.9, 12.11, 12.15, 12.16, 12.17, 12.19. **Art Integration:** Drawing diagrams of Human Ear, Megaphone, Reflection of Sound, Bell experiment.	1. Verification of the Laws of reflection of sound. 2. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring).	1. Assignment on Sound. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
Topic: Improvement in Food Resources **No. of Periods**: 10	Plant and animal breeding and selection for quality improvement and management, use of fertilizers, manures protection from pests and diseases: organic farming	Videos to show Organic farming, difference between manure and fertilizers.	**Art Integration:** Drawing figures to show different types of Crops.	Discussion of Practical based Question and revision of practicals.	1.Assignment on Improvements in Food Resources. Use of fertilizer, plant disease management, poultry farming, bee –keeping. 2.Discussion of Scoring Points/ Marking Scheme/ Sample Questions
February	**REVISION**				
March	**ANNUAL EXAMINATION**				

Curriculum Plan of Social Science
(Session: 2020-2021)

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
May **Topic**: India – Size and Location **No. of Periods**: 9	• Location • Size • India and the World • India's Neighbors	• Identify the location of India in the Indian subcontinent • To know about Indian Standard time on the basis of Latitude and Longitude	Video • India – Size and Location • Video on World Latitude and Longitude	• Assignment ○ India – Size and Location ○ Make a map on our neighborhood ○ countries ○ What is Democracy? Why Democracy? ○ The story of village Palampur ○ How to grow more crops from the same piece of land in the same year • Timeline/ Concept Mapping • Discussion of Scoring Points/ Marking Scheme/ Sample	• **Core Skills** ○ Critical thinking, Logical thinking, Decision Making, Effective communication • **Art Integration** ○ Map work on longitude and latitude of India, Discussion on Ancient Silk route and Sea route • **Interdisciplinary Linkages** ○ History, Mathematics
Topic: What is Democracy? Why Democracy? **No. of Periods**: 10	• What is Democracy? • Features of Democracy • Why Democracy? • Broader meaning of Democracy	• Develop conceptual skills of defining democracy. • Understand how different historical processes and forces have promoted democracy. • Develop a sophisticated defense of democracy against common prejudices. • Develop a historical sense of the choice and nature of democracy in India.	Video • What is Democracy? Why Democracy?		• **Core Skills** ○ Critical thinking, Logical thinking, Problem solving, Decision Making • **Art Integration** ○ Debate on 'whether democracy is the best form of government or not' • **Interdisciplinary Linkages** ○ History
Topic: The story of village Palampur **No. of Periods**: 10	• Overview • Organization of production • Farming in Palampur • Non-farm activities of Palampur	• Familiarize with basic economic concepts through an imaginary story of a village.	Video • The story of village Palampur		• **Core Skills** ○ Critical thinking, Logical thinking, Problem solving, Decision Making • **Art Integration** ○ Discussion on the conditions of farmers and farm labourer in India • **Interdisciplinary Linkages** ○ History, Geography

				Questions • Project ○ Topic selection	

May
Topic:
The French Revolution
No. of Periods:
15
	• French Society During the Late Eighteenth Century
	• The Outbreak of the Revolution
	• France Abolishes Monarchy and Becomes a Republic
	• Did Women have a Revolution ?
	• The Abolition of Slavery
	• The Revolution and Everyday Life
		• Familiarize with the names of people involved, the different types of ideas that inspired the revolution, the wider forces that shaped it.
		• Know the use of written, oral and visual material to recover the history of revolutions.
			Video
			1.The French Revolution
			2.Documentary on French Republic
					• **Core Skills**
					  ○ Creative thinking, Logical thinking, Problem solving, Decision Making
					• **Art Integration**
					  ○ Discussion on 'Impact of the French Revolution on the contemporary world'
					• **Interdisciplinary Linkages**
					• History, Sociology, Geography

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
June **Topic**: Physical Features of India **No. of Periods:** 09	• Major Physiographic Divisions • The Himalayan Mountains • The Northern Plains • The Peninsular Plateau • The Indian Desert • The coastal Plains • The Islands	• Understand the major landform features and the underlying geological structure; their association with various rocks and minerals as well as nature of soil types.	Video • Physical features of India • Video on Plate Tectonic Movemen t	• Assignment ○ Physical Features of India ○ Make a project on different plate boundaries ○ Constitutional Design ○ The French Revolution • Timeline/ Concept Mapping • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Project ○ Data Collection	• **Core Skills** ○ Critical thinking, Logical thinking, Problem solving, Decision Making • **Art Integration** ○ Map work of physical features of India • **Interdisciplinary Linkages** ○ History
Topic: Constitutional Design **No. of Periods**: 10	• Democratic Constitution in South Africa • Why do we need a Constitution? • Making of the Indian Constitution • Guiding Values of the Indian Constitution	• Understand the process of Constitution making. • Develop respect for the Constitution and appreciation for Constitutional values. • Recognize Constitution as a dynamic and living document.	Video • Constitution making of India		• **Core Skills** ○ Critical thinking, Logical thinking, Problem solving, Decision Making, Effective communication • **Art Integration** ○ Debate on the Institutional arrangement in Constitution • **Interdisciplinary Linkages** ○ History, Sociology
Topic: Electoral Politics **No. of Periods:** 10	• Why Elections? • What is our System of Elections? What makes elections in India democratic?	• Understand representative democracy via competitive party politics. • Familiarize with Indian electoral system. • Reason out for the adoption of present Indian Electoral System. • Develop an appreciation of citizen's increased participation in electoral politics. • Recognize the significance of the Election Commission.	Video • Election process in India Various phases of election in India	• Assignment ○ Electoral Politics ○ Drainage • Timeline/ Concept Mapping • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Project	• **Core Skills** ○ Critical thinking, Logical thinking, Problem solving, Decision Making, Self - Awareness, Empathy • **Art Integration** ○ Debate on 'Challenges to conduct free and fair elections in India' • **Interdisciplinary Linkages** • History, Sociology, Economics

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
Topic: Drainage **No. of Periods:** 09	• Major rivers and tributaries • Lakes • Role of rivers in the economy • Pollution of rivers	• Identify the river systems of the country and explain the role of rivers in the human society.	Video • Drainage	• First Draft • Make a project on Himalayan and peninsular rivers of India Make a list of different pollutant materials of river	• **Core Skills** ○ Critical thinking, Logical thinking, Problem solving, Decision Making • **Art Integration** ○ Map work of the rivers of India • **Interdisciplinary Linkages** ○ History
		Periodic Test – 1I			
August **Topic:** Socialism in Europe and the Russian Revolution **No. of Periods:** 15	• The Age of Social Change • The Russian Revolution • The February Revolution in Petrograd • What Changed after October? • The Global Influence of the Russian Revolution and the USSR	• Explore the history of socialism through the study of Russian Revolution. • Familiarize with the different types of ideas that inspired the revolution.	Video • The Russian Revolution • Documentaries on the November Revolution	• Assignment ○ Socialism in Europe and the Russian Revolution • Timeline/ Concept Mapping • Discussion of Scoring Points/ Marking Scheme/ Sample Questions	• **Core Skills** ○ Critical thinking, Logical thinking, Problem solving, Decision Making • **Art Integration** ○ Debate and discussion Socialism versus Capitalism • **Interdisciplinary Linkages** ○ Political Science, Geography
Topic: People as Resource **No. of Periods:** 12	• Overview • Economic activities by men and women • Quality of Population • Unemployment	• Understand the demographic concepts • Understand how population can be as asset or a liability for the nation.	Video • People as Resource • Importance of education and health on human resource	• Assignment ○ People as Resource • Timeline/ Concept Mapping • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Project ○ First Draft	• **Core Skills** ○ Logical thinking, Problem solving, Decision Making, Empathy • **Art Integration** ○ Discussion on the importance of health and education in formation of human resource • **Interdisciplinary Linkages** ○ History, Sociology

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
September Topic: Working of Institutions **No. of Periods**: 10					
	• How is the major policy decision taken? • Parliament • Political Executive • Judiciary	• Get an overview of central governmental structures. • Identify the role of Parliament and its procedures. • Distinguish between political and permanent executive authorities and functions. • Understand the parliamentary system of executive's accountability to the legislature. • Understand the working of Indian Judiciary.	Video • The Parliament • The Executive • The Judiciary • Different Writs of Indian Constitution.	• Assignment ○ Working of Institutions ○ Nazism and the Rise of Hitler • Timeline/ Concept Mapping • Discussion of Scoring Points/ Marking Scheme/ Sample Questions	• **Core Skills** ○ Logical thinking, Decision Making, Self-Awareness, Empathy, Interpersonal Relationship • **Art Integration** ○ Discussion on powers and function of Parliament • **Interdisciplinary Linkages** ○ History, Sociology
		TERM - I EXAMINATION			
October Topic: Nazism and the Rise of Hitler **No. of Periods**: 15	• Birth of the Weimar Republic • Hitler's Rise to Power • The Nazi Worldview • Youth in Nazi Germany • Ordinary People and the Crimes Against Humanity	• Discuss the critical significance of Nazism in shaping the politics of modern world. • Get familiarized with the speeches and writings of Nazi Leaders.	Video • Nazism and the rise of Hitler • Documentaries on the Jews		• **Core Skills** ○ Logical thinking, Problem solving, Decision Making, Sense of Inquiry • **Interdisciplinary Linkages** ○ Political Science, Sociology
Topic: Climate **No. of Periods:** 09	• Concept • Climatic Controls • Factors influencing India's climate • The Indian Monsoon • Distribution of Rainfall • Monsoon as a unifying bond	• Identify various factors influencing the climate and explain the climatic variation of our country and its impact on the life of the people. • Explain the importance and unifying role of monsoons.	Video • Climate Indian Monsoon	• Assignment ○ Climate • Timeline/ Concept Mapping • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Project Presentation	• **Core Skills** ○ Logical thinking, Problem solving, Decision Making • **Art Integration** ○ Map work on Rainfall in India and seasons • **Interdisciplinary Linkages** • History, Sociology, Economics

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
November Topic: Forest Society and Colonialism **No. of Periods:** 15	• Why Deforestation? • The Rise of Commercial Forestry • Rebellion in the Forest • Forest Transformations in Java	• Discuss the social and cultural world of forest communities through the study of specific revolts. • Understand how oral traditions can be used to explore tribal revolts.	Video • Forest society and Colonialism • Documentary on the Maasai community of Africa	• Assignment ○ Forest Society and Colonialism ○ Democratic Rights • Timeline/ Concep Mapping • Discussion of Scoring Points/ Marking Scheme/ Sample Questio	• **Core Skills** ○ Critical thinking, Decision Making, Self-Awareness, Empathy • **Art Integration** ○ Debate on 'Colonial forest laws and deforestation in India' • **Interdisciplinary Linkages** ○ Geography, Sociology
	•	• **PERIODIC TEST - 2**			•
Topic: Democratic Rights **No. of Periods:** 10	• Life without rights • Rights in a Democracy • Rights in the Indian Constitution • Expanding the scope of rights	• Recognize the need for rights in one's life. • Understand the availability /access of rights in a democratic system/government. • Identify and be able to comprehend the Fundamental Rights given by the Indian Constitution to its citizens. • Create awareness regarding the process of safeguarding rights.	Video • Fundamental Rights		• **Core Skills** ○ Logical thinking, Self-Awareness, Empathy, Decision making • **Art Integration** ○ Discussion on the expanding scope of rights • **Interdisciplinary Linkages** ○ History, Sociology

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages

Topic: Poverty as a Challenge **No. of Periods:** 12	• Two typical cases of poverty
	• Poverty as seen by Social Scientists
	• Poverty Estimates
	• Vulnerable Groups
	• Interstate disparities
	• Global Poverty Scenario
	• Causes of Poverty
	• Anti-poverty measures
	• The Challenges Ahead
		• Understand poverty as a challenge.
		• Identify vulnerable group and interstate disparities
		• Appreciate the initiatives of the government to alleviate poverty.
			Video
			• Poverty in India – Causes and Alleviation
				• Assignment
				  ○ Poverty as a Challenge
				• Timeline/ Concept Mapping
				• Discussion of Scoring Points/ Marking Scheme/ Sample Questions
					• **Core Skills**
					  ○ Critical thinking, Problem solving, Decision Making, Empathy, Managing Emotions
					• **Art Integration**
					  ○ Debate on current government's poverty alleviation programmes
					• **Interdisciplinary Linkages**
					  ○ History, Sociology

December Topic: Natural Vegetation and Wild Life **No. of Periods**: 09	• Factors affecting Vegetation
	• Vegetation types
	• Wild Life
	• Conservation
		• Explain the nature of diverse flora and fauna as well as their distribution.
		• Develop concern about the need to protect the biodiversity of our country.
			Video
			• Natural vegetation and wildlife
				• Assignment
				  ○ Natural Vegetation and Wild Life
				  ○ Population
				• Timeline/ Concept Mapping
				• Discussion of Scoring Points/ Marking Scheme/ Sample Questions
				• Project
				  ○ Final Submission
				  ○ Make a project on National Population policies 2002
					• **Core Skills**
					  ○ Critical thinking, Problem solving, Decision Making, Empathy, Self- Awareness
					• **Art Integration**
					  ○ Make a list of endangered species of wildlife and make a presentation on ways of conserving them
					• **Interdisciplinary Linkages**
					  ○ History, Sociology, Economics

Topic: Population **No. of Periods**: 09	• Size
	• Distribution
	• Population Growth and Process of Population Change
		• Analyze the uneven nature of population distribution and show concern about the large size of our population.
		• Identify the different occupations of people and explain various factors of population change.
		• Explain various dimensions of National Population Policy and understand the
			Video
			• Population of India
					• **Core Skills**
					  ○ Critical thinking, Problem solving, Decision Making, Interpersonal Relationship
					• **Art Integration**
					  ○ Discussion on how to convert India's population into resource

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
		needs of adolescents as underserved group.			• **Interdisciplinary Linkages** ○ History, Sociology
Topic: Food Security in India **No. of Periods**: 10	• Overview • What is Food Security? • Why Food Security? • Who are food insecure? • Food Security in India • What is Buffer Stock? • What is the Public Distribution System? • Current Status of Public Distribution System	• Understand the concept of food security • Appreciate and analyses the role of government in ensuring food supply.	Video • Food security in India	• Assignment ○ Food Security in India • Timeline/ Concept Mapping • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Project ○ Final Submission	• **Core Skills** ○ Critical thinking, Problem solving, Decision Making, Interpersonal Relationship • **Art Integration** ○ Discussion on ways of ensuring food security in India • **Interdisciplinary Linkages** ○ History, Sociology, Political Science
January	**REVISION**				
February	**REVISION**				
March	**TERM - II EXAMINATION**				

Curriculum Plan of Information Technology
(Session: 2020-2021)

Month/Topic	**Theory & Audio Visual Aids**	**Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration**	**Practical/Project**	**Miscellaneous**
May Topic: Communication Skills	➢ What is communication ➢ Verbal & Non-verbal method ➢ Using Class Edge to provide audio visual aids to the students	**Interdisciplinary Linkages:** Spoken English session, Conversation, Mock Interview.	Facing imaginary interview	• Assignment ○ Verbal & Non-verbal communication
Topic: Self-management				
	➢ Self Confidence ➢ Positive thinking	**Art Integration:** Drawing on several aspects of Self-management.	Write a program to • Built positive thinking seminar	• Assignment ○ Personal hygiene ○ Self esteem

Month/Topic	**Theory & Audio Visual Aids**	**Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration**	**Practical/Project**	**Miscellaneous**
June Topic: Basic ICT skills-I	•. Interpersonal relationship ➢ Self-awareness ➢ ICT topics from YouTube/Class Edge	•	• Usage of ICT in modern world •	• Assignment • Core Skills ○ Problem solving ○ Critical thinking ○ Creative thinking
July Topic: Entrepreneurial Skills	➢ What is entrepreneurship ➢ Difference among entrepreneurship service & business	• Making off line presentation on Entrepreneurship. • Brand making and logo design[**Diagrams & Art Integration**]	• Write some entrepreneurial ideas based on the case studies.	
			PERIODIC TEST – 1	

Month/Topic	Theory	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical/Project	Miscellaneous
August **Topic: Introducing Word Processing**	➢ What is word processor ➢ Setting up writer ➢ Formatting a document	• Letter writing • Design a greetings card	• Program for addition of two numbers by using a function • Program to find out area of a circle by using a user defined function	• Assignment ○ Python Programming **Miscellaneous** • Assignment
Month/Topic				
August **Topic: Spreadsheet Application**	**Theory** ➢ Spreadsheet basics ,open Office Calc ➢ Working with spreadsheet ➢ Entering data .formatting data, sorting searching and filtering data		**Practical/Project** • Inserting graphics/images • Printing worksheet/charts	
September **Topic**: Word Processing **&** Spreadsheet Application	➢ Tables & Printing ➢ Aggregate functions – MIN, MAX, AVG, COUNT, SUM	•	• Page printing envelops, brochure • Using autocorrect option •	• Assignment ○ Making Greetings card
	TERM – I EXAMINATION	•		
Half of October **Topic**: Revision(uni t-4 & 5)	➢ Creating real life project ➢ Understanding green skills, green economy ➢ Understanding energy efficiency	Project on : Elements of Green Economy with diagram and drawing		

Month/Topic	Theory	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical/Project	Miscellaneous
November **Topic**: Presentation Software(OO Impress)	➢ Making presentation application ➢ On → Self-management & Entrepreneurial Activities	➢ Making Impress slides On project paper based on chosen topics.	➢ Creating presentation on several topics.	• Assignment Drawing & managing graphic objects in impress **Miscellaneous** • Assignment
Month/Topic				
Topic: Unit wise revision & Project building	➢ Revision ➢ Project Checking		**Practical/Project** • Loading data from different files to OO Calc	
	PERIODIC TEST – II			
December	**REVISION**			
January	**REVISION**			
February	**REVISION**			
March	**REVISION**			

Curriculum Plan of Physical Education
(Session: 2020-21)

Month Topic	Sub Topic	Audio Visual Inputs	Practical	Miscellaneous
May Topic: Introduction to physical education	➢ Meaning and concept of physical education ➢ Aims and objectives of physical education ➢ Physical Development; Mental Development; Social Development; Emotional Development; Neuro-Muscular Development ➢ Changing Trends in physical Education	Video on changing trends in physical education	Athletics: 30/50 meters dash; Middle distance; Jumps	• Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
Topic: Physical fitness	➢ Meaning and concept ➢ Components of Physical Fitness - Speed ;Strength; Endurance; Flexibility; Coordinative Ability ➢ Development of Physical Fitness through Games and Sports	Video on Components of physical fitness	Fitness tests: AAPHER Tests 50 meters dash; Pull ups; Flexed arm hang; Sit up; Shuttle run 10x4 meters; Standing broad jump; 9/12 run and walk	
Topic: Measurement of growth	➢ Waist and Measurement of Height and Weight –Body Mass Index ➢ Body Composition (Lean Body Mass; Fat percentage Formulas for 2 sites / 3 sites and Hip Ratio	Video on Measurement of body mass index		• Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Practical	Miscellaneous
June Topic: First and Measures	➢ Meaning and concept ➢ Introduction to general Sports Injuries –Soft Tissue ;Bone and Joint Dislocation ➢ PRICER and Its Effects	Video on Sports injuries	.	• Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
Topic Sociological aspects of physical education	➢ Meaning and Concept of Sports culture; Society ➢ Role of Family; School in Sports Socialization ➢ Role of Society in Sports Socialization	Video on ancient Olympic games arena	Any Two games: Volleyball and Football	• Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
July Topic: Physical activity and differently abled children	➢ Physical Education Programmes for Physical Challenged ➢ Physical Education Programmes for Visually Impaired ➢ Physical Education Programmes for Dumb and Deaf	Video on Programmes for physical challenged and Visually impaired	Volley ball – fundamental skills: service, passing and placing, spiking, boosting, blocking.	• Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
	PERIODIC TEST - 1			
August Topic: Community Recreation	➢ Meaning and Concept of Recreation ➢ Recreational activities for different age groups ➢ Recreational Activities for family	Video on Swimming an activity for relaxation		• Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Practical	Miscellaneous
September Topic: Sports and Human Resources				
	➢ Role of Sports in Creating Fit citizens ➢ Fit citizen as an asset for the family ; society and nation ➢ Fit citizen and productivity	Video on yoga for wellness		• Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
	TERM - I EXAMINATION			
October Topic: Adventure Sports	➢ Meaning and objective ➢ Introduction to the concept of camping and Tracking To organize site ; Materials required and safety measures	Video on camping and trekking	Football: fundamental skills, kicking, ball control, dribbling, tackling, trapping, passing.	
November	**PERIODIC TEST - 2**			
December	**REVISION**			
January	**REVISION**			
February	**REVISION**			
March	**ANNUAL EXAMINATION**			

हिन्दी भाषा और साहित्य की पाठ्यक्रम योजना

शैक्षिक सत्र (2020-21)

महीना/ विषय- वस्तु	विषय/ अडियो/ वीडियो	असाइनमेंट/ परिचर्चा	सुनना, बोलना, पढ़ना और लिखना	जीवन कौशल/ अंतर्विषयी कार्य
अप्रैल/ कालांश- 25 **स्पर्श** • रैदास के पद (पद्य) • दुख का अधिकार (गद्य) **संचयन:** गिल्लू (गद्य) व्याकरण: 1. वर्ण-विच्छेद 2. अनुस्वार और अनुनासिक	1. रैदास के पद का वीडियो 2. केन्द्रीय भाव	1. उक्त पाठों पर आधारित अभिहस्तांकन, लेखन कार्य पर परिचर्चा। 2. अंक योजना व आदर्श प्रश्नपत्र पर परिचर्चा	• **सुनना:** प्रश्नोत्तरी सुनकर अर्थ ग्रहण करना • **बोलना:** दुख मनाने के अधिकार पर समूह चर्चा • **पढ़न:** पाठ्य पुस्तक के पाठों का उचित आरोह, अवरोह के साथ पठन • **लिखना:** समाज में आर्थिक असमानता और उसके प्रभाव पर अनुच्छेद लिखना	**पद्य भाग** 1. छूआछूत प्रथा पर परिचर्चा 2. रैदास की भक्ति भावना पर अनुच्छेद लेखन **गद्य भाग** 1. दुख मनाने के लिए सुविधाओं की आवश्यकता' पर समूह चर्चा
जून/ कालांश- 22 **स्पर्श** • एवरेस्ट मेरी शिखर यात्रा (गद्य) • रहीम के पद (पद्य) **संचयन:** • स्मृति (गद्य) **व्याकरण:** • नुक्ता के प्रयोग • उपसर्ग: शब्द रचना और उपसर्ग अलग करना • अनौपचारिक पत्र लेखन	1. रहीम के पद का वीडियो 2. पत्र लेखन पर वीडियो	1. निम्नलिखित पाठों पर आधारित अभिहस्तांकन कार्य। 2.नुक्ता, उपसर्ग और अनौपचारिक पत्र लेखन 3. अंक योजना व आदर्श प्रश्नपत्र पर परिचर्चा	• **सुनना:** प्रश्नोत्तरी सुनकर अर्थ ग्रहण करना • **बोलना:** रहीम के पद का गायन • **पढ़न:** कविता और यात्रा वृतांत का उचित आरोह, अवरोह, बालाघात के साथ वाचन • **लिखना:** रहीम के पदों के आधार पर कविता पोस्टर बनाना	**जीवन कौशल** 1. रहीम के दोहों की आवृत्ति 2. विश्लेषणात्मक सोच, प्रभावी सम्प्रेषण, आत्म जागरूकता, भावनाओं पर नियंत्रण, समस्या को सुलझाना।

महीन/ विषय- वस्तु	विषय/ अडियो/ वीडियो	असाइनमेंट/ परिचर्चा	सुनना, बोलना, पढ़ना और लिखना	जीवन कौशल/ अंतर्विषयी कार्य
जुलाई/ कालांश- 25 **स्पर्श** • आदमीनामा (पद्य) • तुम कब जाओगे अतिथि (गद्य) **व्याकरण/ रचना:** • स्वर संधि • प्रत्यय से शब्द रचना • संवाद लेखन • अनुच्छेद लेखन	1. संवाद लेखन और अनुच्छेद लेखन का वीडियो	1. पाठ 4 और 11 तथा संधि, प्रत्यय, संवाद एवं अनुच्छेद लेखन पर आधारित अभिहस्तांकन कार्य 2. अंक योजना व आदर्श प्रश्नपत्र पर परिचर्चा	• **सुनना:** प्रश्नोत्तरी सुनकर अर्थ ग्रहण करना • **बोलना:** आदमीनामा कविता की आवृत्ति • **पढ़न:** कविता और व्यंग लेख का उचित आरोह, अवरोह, बालाघात के साथ वाचन • **लिखना:** आदमीनामा कविता लिखना	**जीवन कौशल** 1. आदमीनामा कविता की आवृत्ति 2. विश्लेषणात्मक सोच, भावनात्मक समझ, प्रभावी सम्प्रेषण, आत्म जागरूकता, भावनाओं पर नियंत्रण, समस्या को सुलझाना।
			नियतकालिक परीक्षा- 1	
अगस्त/ कालांश- 25 **संचयन:** • कल्लू कुम्हार की उनाकोटि **रचनात्मक लेखन** • विज्ञापन लेखन • सूचना लेखन • चित्र वर्णन	1. कल्लू कुम्हार की उनकोटि पर वीडियो	1. संचयन पाठ 3 तथा विज्ञापन, सूचना लेखन, चित्र वर्णन पर आधारितअभिहस्तांकन कार्य 2. अंक योजना व आदर्श प्रश्नपत्र पर परिचर्चा	• **सुनना:** प्रश्नोत्तरी सुनकर अर्थ ग्रहण करना • **बोलना:** घरेलू उद्धयोग पर परिचर्चा • **पढ़न:** घरेलू उद्धयोग के बारे में अन्य स्रोतों से पढ़न • **लिखना:** त्रिपुरा की संस्कृति पर अनुच्छेद लिखना	**जीवन कौशल:** विश्लेषणात्मक सोच, भावनात्मक समझ, प्रभावी सम्प्रेषण, आत्म जागरूकता, भावनाओं पर नियंत्रण, समस्या को सुलझाना।
सितंबर/ कालांश- 12 व्याकरण/ रचना • वर्ण विच्छेद • उपसर्ग और प्रत्यय 3. स्वर संधि 4. संवाद लेखन 5. सूचना लेखन 6. विज्ञापन लेखन	1. वर्ण विच्छेद, उपसर्ग और प्रत्यय का अभ्यास 2. संधि विच्छेद, संवाद, सूचना, विज्ञापन लेखन का अभ्यास	1. वर्ण विच्छेद, उपसर्ग और प्रत्यय, संधि विच्छेद पर आधारित अभिहस्तांकन कार्य 2. अंक योजना व आदर्श प्रश्नपत्र पर परिचर्चा	• **सुनना:** शब्दों के उच्चारण को सुनना • **बोलना:** दिये गए विषय पर संवाद बोलना • **पढ़न:** घरेलू उद्धयोग के बारे में अन्य स्रोतों से पढ़ना • **लिखना:** त्रिपुरा की संस्कृति पर अनुच्छेद लिखना	**जीवन कौशल:** समस्या को सुलझाना, विश्लेषणात्मक सोच, प्रभावी सम्प्रेषण
			सत्र- 1 परीक्षा	

	विषय/ अडियो/ वीडियो	असाइनमेंट/ परिचर्चा	सुनना, बोलना, पढ़ना और लिखना	जीवन कौशल/ अंतर्विषयी कार्य
अक्तूबर/ कालांश-12 **स्पर्श:** • कीचड़ का काव्य (गद्य) • अग्निपथ (पद्य) **संचयन:** • हामिद खाँ (गद्य) **व्याकरण/ रचना** • वर्ण विच्छेद • उपसर्ग और प्रत्यय	1. अग्निपथ कविता पर वीडियो 2. केन्द्रीय भाव पाठ पर आधारित अन्य आडियो/वीडियो	1. स्पर्श पाठ 6 और 14 तथा संचयन पाठ 5 पर आधारित अभिहस्तांकन कार्य 2. अंक योजना व आदर्श प्रश्नपत्र पर परिचर्चा	• **सुनना:** प्रश्नोत्तरी सुनकर अर्थ ग्रहण करना • **बोलना:** अग्निपथ कविता की आवृति • **पढ़न:** सांप्रदायिक सद्भाव पर अन्य समग्रियों को पढ़ना • **लिखना:** सांप्रदायिक सद्भाव की आवश्यकता पर वाद-विवाद	**जीवन कौशल** 1. अग्निपथ कविता की आवृत्ति 2. विश्लेषणात्मक सोच, भावनात्मक समझ, प्रभावी सम्प्रेषण, आत्म जागरूकता, भावनाओं पर नियंत्रण, समस्या को सुलझाना।
नवंबर/ कालांश-25 **स्पर्श:** • धर्म की आड़ (गद्य) • शुक्रतारे के समान (गद्य) **संचयन:** • दिये जल उठे (गद्य) **व्याकरण/ रचना** • स्वर संधि • पत्र लेखन	1. दांडी मार्च पर वीडियो 2. केन्द्रीय भाव: पाठ पर आधारित अन्य आडियो/वीडियो	1. स्पर्श पाठ 7 और 8 तथा संचयन पाठ 6 पर आधारित अभिहस्तांकन कार्य 2. अंक योजना व आदर्श प्रश्नपत्र पर परिचर्चा	• **सुनना:** प्रश्नोत्तरी सुनकर अर्थ ग्रहण करना • **बोलना:** कविता और गद्य का उचित आरोह, अवरोह, बालाघात के साथ वाचन • **पढ़न:** सांप्रदायिक सद्भाव पर अन्य समग्रियों को पढ़ना • **लिखना:** सांप्रदायिक सद्भाव की आवश्यकता पर वाद-विवाद	**जीवन कौशल** 1. स्वतन्त्रता सेनानी पर किसी कविता की आवृति 2. सकारात्मक सोच, विश्लेषणात्मक सोच, भावनात्मक समझ, प्रभावी सम्प्रेषण, आत्म जागरूकता, भावनाओं पर नियंत्रण, समस्या को सुलझाना।
			नियतकालिक परीक्षा- 2	
दिसंबर/ कालांश- 20 **स्पर्श:** • खुशबू रचते हाथ (पद्य) • नए इलाके में (पद्य) **व्याकरण/ रचना:** • अनुच्छेद लेखन • सूचना लेखन • संवाद लेखन • चित्र वर्णन • विज्ञापन लेखन	1. स्पर्श पाठ 15 पर आधारित वीडियो 2. केन्द्रीय भाव: पाठ पर आधारित अन्य आडियो/वीडियो	1. स्पर्श पाठ 15 और अनुच्छेद, सूचना, संवाद, विज्ञापन लेखन पर आधारित अभिहस्तांकन कार्य 2. अंक योजना व आदर्श प्रश्नपत्र पर परिचर्चा	• **सुनना:** प्रश्नोत्तरी सुनकर अर्थ ग्रहण करना • **बोलना:** गद्य का उचित आरोह, अवरोह, बालाघात के साथ वाचन • **पढ़न:** बाल मज़दूरी पर अन्य समग्रियों को पढ़ना **लिखना:** बाल मज़दूरी पर परिचर्चा	**जीवन कौशल** 1. बाल मज़दूरी पर किसी कविता की आवृति 2. सकारात्मक सोच, विश्लेषणात्मक सोच, भावनात्मक समझ, प्रभावी सम्प्रेषण, आत्म जागरूकता, भावनाओं पर नियंत्रण, समस्या को सुलझाना।
जनवरी	**पुनरावृत्ति**			
फरवरी	**पुनरावृत्ति**			
मार्च	**सत्र- 2 परीक्षा**			

Curriculum Plan of Odia Language and Literature
Session (2020-21)

Month **Topic**	ଉପ-ବିଷୟ	ପାଠର ଉଦ୍ଦେଶ୍ୟ	ଶିକ୍ଷଣ ସହାୟକ ସାମଗ୍ରୀ	ମୂଲ୍ୟାୟନର ନିରୂପଣ
April • ପାଠ -୧ କାହାମୁଖ ଅନାଇ ବଞ୍ଚିବୀ (ପଦ୍ୟ) • ପାଠ -୨ ଜାତୀୟ ଜୀବନ (ଗଦ୍ୟ) • ପାଠ -୩ ବୁଢା ଶଙ୍ଖାରୀ (ଗଳ୍ପ) • ସନ୍ଧି •	○କବିତା ପଠନ, କବିତାର ସାର , ଶବ୍ଦାର୍ଥ, • ପାଠର ପଠନ, ଜାତୀୟ ଜୀବନ ଓ ବ୍ୟକ୍ତିଗତ ଜୀବନ ମଧ୍ୟରେ ସମ୍ପର୍କ • ମା' ପୁଅର ସମ୍ପର୍କ • ସନ୍ଧି କ'ଣ , କେତେ ପ୍ରକାର	• ପୁଅ ପ୍ରତି ମା'ର ବାଲ୍ୟକାଳର ସ୍ନେହ • ପରାଧୀନ ଉତ୍କଳୀୟ ମାନଙ୍କୁ ଜାତୀୟ ସ୍ରୋତରେ ସାମିଲ କରିବାର ଉଦବୋଧନ	• କବିତା ଆବୃତ୍ତିର ଭିଡିଓ • ଶ୍ରୀକୃଷ୍ଣଙ୍କ ପିଲାଦିନର ଫୋଟ • ବୁଢା ଶଙ୍ଖାରୀ ଗଳ୍ପର ସିଡି ନେଇ କକ୍ଷାରେ ପ୍ରବେଶ • •	• ମେଳକ ପ୍ରଶ୍ନ • କକ୍ଷାରେ କ୍ଷୁଦ୍ର ପ୍ରଶ୍ନର ଉତ୍ତର କରିବାକୁ ଦେବା • ଶଙ୍ଖାରୀ ବୁଢାର ଚରିତ୍ର ଲେଖ • କଳାପଟାରେ କେତୋଟି ସନ୍ଧି କରିବାକୁ ଦେବା •
June • ପାଠ -୪ ଶିକ୍ଷା ଓ ଶାସନ (ଗଦ୍ୟ) • ସମାସ	• ଶିକ୍ଷା ଓ ଶାସନର କୈନ୍ଦ୍ରିକ ଭାବ ,ଶିକ୍ଷା ଓ ଶାସନର ସମ୍ପର୍କ • ସମାସ କାହାକୁ କୁହାଯାଏ , ଏହା କେତେ ପ୍ରକାର	• ଶିକ୍ଷା ଓ ଶାସନ ଦ୍ୱାରା ସାମାଜିକ ବିକାଶର କିପରି ତ୍ୱରାନ୍ୱିତ ହୋଇଥାଏ • ମଣିଷର ଦୋଷ ଗୁଣକୁ ଛାଡି ଭଲ ଗୁଣକୁ ଗ୍ରହଣ କରିବା • ସମାସ ପଢିବା ଦ୍ୱାରା ଭାଷା ଜ୍ଞାନ ବଢେ	• କିଛି ସମାସକୁ ଚାର୍ଟ ପେପରରେ ଲେଖି କାନ୍ଥରେ ଝୁଲାଇବା	• ଉଚ୍ଚ ସ୍ୱରରେ ପଠନ • ଶିକ୍ଷା ଓ ସମାଜର ନିବନ୍ଧ • ଶ୍ରେଣୀରେ କଳାପଟାରେ ସମାସ ଦେଇ ପରୀକ୍ଷା

Month Topic	ଉପ-ବିଷୟ	ପାଠର ଉଦ୍ଦେଶ୍ୟ	ଶିକ୍ଷଣ ସହାୟକ ସାମଗ୍ରୀ	ମୂଲ୍ୟାୟନର ନିରୂପଣ
July • ପାଠ -୫ ପଦ୍ମ (ପଦ୍ୟ) • ପାଠ -୬ ଦଳବେହେରା (ଏକାଙ୍କିକା) •	• • କବି ପରିଚୟ , କବିତାର ସାର, ଶବ୍ଦାର୍ଥ • ଲେଖକ ପରିଚୟ , ଗଳ୍ପର ସାର	• ଏଠାରେ ପଦ୍ମର ସୌନ୍ଦର୍ଯ୍ୟ ବୋଧକୁ ବର୍ଣ୍ଣନା କରାଯାଇଛି , • ଜାତୀୟ ସଂଗ୍ରାମରେ ପ୍ରଥମ ପର୍ଯ୍ୟାୟରେ ତ୍ୟାଗ ଓ ତିତିକ୍ଷାର ପ୍ରତୀକାତ୍ମକ କାହାଣୀ	• କବିତାଟିକୁ ସିଡିଦ୍ୱାରା ଶ୍ରେଣୀରେ ଶୁଣାଇବା • ନାଟକଟିକୁ ଦୃଶ୍ୟ ସ୍ରାବ୍ୟ ମାଧ୍ୟମରେ କକ୍ଷାରେ ସିଡି ଦ୍ୱାରା ପ୍ରଦର୍ଶନ କରିବା • •	• ପଦ୍ମର ଅନ୍ୟ ନାମଗୁଡିକ ଲେଖ • ପଦ୍ମାକୁ କାହା ସହିତ ତୁଳନା କରାଯାଇଛି • ଦଳବେହେରାର ଚରିତ୍ର ନିରୂପଣ କର •
			PERIODIC TEST - 1	
August • ପାଠ -୭ ହେ ମୋର କଲମ (ପଦ୍ୟ) • ପାଠ -୮ ବାମନର ହାତ ଓ ଆକାଶର ଚନ୍ଦ୍ର (ଗଦ୍ୟ) • ପାଠ -୯ ପତାକା ଉତ୍ତୋଳନ (ଗଳ୍ପ) • ଉପସର୍ଗ	• କବିପରିଚୟ , କବିତାର ସାର , କଲମର କରାମତି ବିଷୟରେ ଆଲୋଚନା • ଲେଖକ ପରିଚୟ , ପାଠର ସାର , ଅସମ୍ଭବକୁ ସମ୍ଭବ କରିବା • ରାୟବାହାଦୁର ଗୋଲାମି , ଅରୁଣର ଦେଶ ପ୍ରୀତି • ଉପସର୍ଗ କ'ଣ	• କେବେ କୌଣସି ଜିନିଷକୁ ଦୁର୍ବଳ ଭାବିବା ନହିଁ • ଶାରୀରିକ ଶକ୍ତି ଠାରୁ କଲମର ଶକ୍ତି ଅଧିକ • ଛୋଟ ମଧ୍ୟ ବୃହତ କର୍ମ କରିପାରିବ • ବ୍ରିଟିଶ ନିମନ୍ତେ ନିଜ ପୁଅକୁ ହତ୍ୟା କରିବା • ବ୍ୟହିକ ଜ୍ଞାନର ଅଭିବୃଦ୍ଧି	• ବାମାନର ଚିତ୍ର , • ସ୍ୱାଧୀନସଂଗ୍ରାମୀ ମାନଙ୍କ ତ୍ରିରଙ୍ଗା ସହିତ ପଟୁଆରର ଚିତ୍ର •	• ଶୂନ୍ୟ ସ୍ଥାନ ପୂରଣ • ଗଦ୍ୟରୂପରେ ପ୍ରକାଶ • ମେଳକ ପ୍ରଶ୍ନ • ସୋମନାଥ ମହାପାତ୍ରଙ୍କର ଚରିତ୍ର ଚିତ୍ରଣ
September • ପାଠ -୧୦ ମଣିଷ ଭାଇ (ପଦ୍ୟ) • ପାଠ -୧୧ ପ୍ରକୃତ ବନ୍ଧୁ (ଗଦ୍ୟ) • ପାଠ -୧୨ ସମୂହ ଦୃଷ୍ଟି (ଗଦ୍ୟ) • କୃଦନ୍ତ, ତଦ୍ଧିତ	• କବି ପରିଚୟ, ଶବ୍ଦାର୍ଥ , କବିତାର ସାର • ପାଠର କୈନ୍ଦ୍ରିକଭାବ ଆଲୋଚନା • ଲେଖକ ପରିଚୟ , ମୌଳିକ ଚିନ୍ତାଧାରା ଏବଂ ସାରକଥା • କୃଦନ୍ତ ଏବଂ ତଦ୍ଧିତ କାହାକୁ କୁହାଯାଏ	• ସମସ୍ତ ପ୍ରକାର ବିପଦ ଏବଂ ପ୍ରତିକୂଳ ସତ୍ତ୍ୱେ ମାଟିର ମଣିଷକୁ ମଣିଷ ଭଳି ବଞ୍ଚିବା ଦର୍ଶାଯାଇଛି • ବନ୍ଧୁତା ନାମରେ କିପରି ଛଳନା କରାଯାଇଛି ତାର ମହତ୍ୱ ଜାଣିବା • କୌଣସି ବିଚାରଧାରା ବା ଯୋଜନା ସମୂହକୁ ଦୃଷ୍ଟିରେ ରଖି କାର୍ଯ୍ୟ କାଲେ ସଫଳତା ପ୍ରାପ୍ତ ହୁଏ • ଭାଷାଗତ ଜ୍ଞାନର ଅଭିବୃଦ୍ଧି	• କାରଖାନାର ଗୋଟିଏ ଛବି • ବନ୍ଧୁମାନଙ୍କ ମିଳନର ଭିଡିଓ • ସମସ୍ତଙ୍କ ମିଳନରେ କିପରି ଗୋଟିଏ କାମ ସଫଳ ହୁଏ । ତାର ଭିଡିଓ •	• କାରଖାନା ଦ୍ୱାରା ହେଉଥିବା ପ୍ରଦୁଷଣର ମୌଖିକ ପରୀକ୍ଷା • ବନ୍ଧୁମାନଙ୍କ ମଧ୍ୟରେ ଘଟୁଥିବା ଘଟଣାର ଉଦାହରଣ • କ୍ଷୁଦ୍ର ପ୍ରଶ୍ନ • କୃଦନ୍ତ ଓ ତଦ୍ଧିତର ଲିଖିତ ପରୀକ୍ଷା

Month Topic	ଉପ-ବିଷୟ	ପାଠର ଉଦ୍ଦେଶ୍ୟ	ଶିକ୍ଷଣ ସହାୟକ ସାମଗ୍ରୀ	ମୂଲ୍ୟାୟନର ନିରୂପଣ
			TERM – I EXAMINATION	
October • ପାଠ -୧୩ ଗୋପ ପ୍ରୟାଣ (ପଦ୍ୟ) • ପାଠ -୧୪ ଶକ୍ତି ଓ ଜ୍ଞାନ (ଗଦ୍ୟ) • ଅନୁଚ୍ଛେଦ ଲିଖନ	• କବି ପରିଚୟ , କବିତାର ସାର, • ଲେଖକ ପରିଚୟ, ଶକ୍ତି ଓ ଜ୍ଞାନର ସମନ୍ୱୟର ଆବଶ୍ୟକତା • ଅନୁଚ୍ଛେଦ ଲିଖନ ବିଧି	• ଗୋପବନ୍ଧୁଙ୍କ ମହାପ୍ରାଣରେ କିପରି ରାଜ୍ୟବାସୀର ହୃଦୟକୁ କରଘାତ କରିଛି ବର୍ଣ୍ଣନା କରାଯିବ • ଶକ୍ତି ଓ ଜ୍ଞାନର ସମନ୍ୱୟରେ ରାଷ୍ଟ୍ରରେ ବିକାଶ	• କବିତାର ରେକର୍ଡ ଶ୍ରେଣୀରେ ଶୁଣାଇବା •	• ବାକ୍ୟ ଗଠନ , ଗଦ୍ୟରେ ପ୍ରକାଶ • ଶକ୍ତି ଓ ଜ୍ଞାନର ତର୍କ ପ୍ରତିଯୋଗୀତା • ଅନୁଚ୍ଛେଦଟିକୁ ପରଖିବା
November • ପାଠ-୧୫ ପାଇକ ବଧୂର ଉଦବୋଧନ (ପଦ୍ୟ) • ପାଠ-୧୬ ଓଡିଆ ସାହିତ୍ୟର କଥା (ଗଦ୍ୟ) • ପାଠ-୧୭ ଡିମିରି ଫୁଲ (ଗଳ୍ପ) • ସରକାରୀ ପତ୍ର	• କବି ପରିଚୟ, କବିତାର ସାର, ନାରୀର ଚରିତ୍ର • ଓଡିଆ ସାହିତ୍ୟର ଆରମ୍ଭ ,ଓଡିଆ ଭାଷାକୁ ବଞ୍ଚାଇବା ପାଇଁ ଉଦ୍ୟମ • ଲେଖକ ପରିଚୟ , ଗଳ୍ପର ସାର ମର୍ମ • ପତ୍ର ଲେଖିବାର ଶୈଳୀ	• ଉତ୍କଳର ସାମରିକ ଶକ୍ତିର ବର୍ଣ୍ଣନା, ଜନ୍ମ ଭୂମିର ରକ୍ଷା ନିମନ୍ତେ ଜୀବନ ଉତ୍ସର୍ଗ ଅବଗତ କରିବା • ଓଡିଆ ସାହିତ୍ୟର ବିକାଶ • ଜୀବନରେ ଅଭିନୟ କରି ବଞ୍ଚି ରହିବା • ପ୍ରଶାସକଙ୍କୁ ପତ୍ର ଲେଖିବାର ଜ୍ଞାନ ଆହୋରଣ	• ପଠନ ଦକ୍ଷତା , କବିତାର ରେକର୍ଡ , ରଣସଜ୍ଜାର ଚିତ୍ର • କବି ଓ ଲେଖକମନଙ୍କ ଏକ ସାରଣୀ	• ସମୋଜାରିତ ଶବ୍ଦର ଅର୍ଥ • ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ • ମେଳକ ପ୍ରଶ୍ନ • ମୌଖିକ ପରୀକ୍ଷା •
	•	•	**PERIODIC TEST - 2**	•
December • ପାଠ-୧୮ ମାଟିର ମଣିଷ (ପଦ୍ୟ) • ପାଠ-୧୯ ଦୁରପାହାଡ (ଏକାଙ୍କିକା)	• କବି ପରିଚୟ , କବିତାର ସାର • ଲେଖକ ପରିଚୟ , ଏକାଙ୍କିକାର ସାର , ବିମଳବାବୁଙ୍କ ଚରିତ୍ର ଚିତ୍ରଣ	• ଏହି କବିତା ଦ୍ୱାରା ଶିଳ୍ପାଭିମୁଖୀ ମଣିଷକୁ ପୁଣି ମାଟି ପ୍ରତି ମମତା ଆସିବାର ଆହ୍ୱାନ • ଅନୁକରଣ ଏବଂ ଦେଖାଣିଆ ଭାବକୁ ବର୍ଣ୍ଣନା କରାଯାଇଛି	• କାରଖାନର ଚିତ୍ର , ପ୍ଲେ କାର୍ଡ • ଏକାଙ୍କିକାର ଭିଡିଓ	• ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ • ବାକ୍ୟ ଗଠନ • ଏକାଙ୍କିକାର କୈନ୍ଦ୍ରିକ ଭାବର ଲିଖିତ ପରୀକ୍ଷା •
January	**REVISION**			
February	**REVISION**			
March	**TERM – II EXAMINATION**			