



Mount Abu Public School
Sector 5, Rohini, New Delhi - 110085



CLASS - VIII

SYLLABUS (2024-25)

TOGETHER AT MOUNT ABU FOR A SUSTAINABLE FUTURE

PREFACE

Education certainly determines the quality of an individual's life. It improves one's knowledge, skills, and develops the personality and attitude. Most noteworthy, it plays a vital role in transforming people. To meet this end, Mount Abu has developed an 'Academic Plan' for all subjects. It fosters a spirit from the beginning by laying out the course of action, making it an important document. It offers a common scheme of studies, keeping in view the needs, interests, capabilities and aptitudes of the learners. Considering the changes in the socio-educational climate of the country, there is a need to identify the various ingredients and variables that ultimately determine the quality of education and its end product. In today's world of globalization marked by competitiveness and challenges, it is required more than ever before that the country sets its own standards comparable to any international standard. For this, the varied needs and potentialities of learners, diversification, and flexibility should be the major characteristics of the curriculum. The booklet contains the pattern of examination and a detailed date sheet for the whole session, which will help a tutee to prepare for assessment and evaluation with ease.

This document enables the learners to:

- Acquire scientific knowledge and apply and experiment with it.
- Identify and articulate the curriculum challenges for educating the youth for the twenty-first century.
- Know different styles of learning i.e. audio, visual, and experimental and experiential.
- Interrelate education, balancing social and emotional stimulation among children to imbibe human values.
- Be acquainted with standards and procedures for assessment.
- Pursue and have in-depth knowledge in certain games and fine art areas.

It is a curricular initiative, attempting to shift emphasis from testing to holistic learning, and provides an overview to the parents about their child's learning in school through systematic practice.

CLASS VI-VIII (MIDDLE SCHOOL)
EXAMINATION SCHEDULE FOR SESSION 2024-25

MONTH : MAY EXAMINATION : MAY TEST SERIES				
DAYS	DATES	CLASS VI	Class VII	CLASS VIII
WEDNESDAY	08-05-2024	ENGLISH	HINDI	MATHS
FRIDAY	10-05-2024	SCIENCE	SOCIAL SC	SCIENCE
MONDAY	13-05-2024	MATHS	ENGLISH	HINDI
WEDNESDAY	15-05-2024	SOCIAL SC	SCIENCE	SOCIAL SC
FRIDAY	17-05-2024	HINDI	MATHS	ENGLISH
IT, FRENCH, SANSKRIT & KOREAN EXAMINATION WILL BE CONDUCTED DURING REGULAR SCHOOL HOURS				
PTM-25-05-2024				

Guidelines-

- Regular classes will be held after each test.
- **No re-test will be conducted at any level.**
- Test will be conducted for 20 marks.

MONTH : JULY EXAMINATION : PA -1				
DAYS	DATES	CLASS VI	Class VII	CLASS VIII
FRIDAY	19-07-2024	MATHS	ENGLISH	SCIENCE
MONDAY	22-07-2024	SOCIAL SC	SCIENCE	SOCIAL SC
THURSDAY	25-07-2024	HINDI	MATHS	ENGLISH
MONDAY	29-07-2024	ENGLISH	HINDI	MATHS
THURSDAY	01-08-2024	SCIENCE	SOCIAL SC	HINDI
IT, FRENCH, SANSKRIT & KOREAN EXAMINATION WILL BE CONDUCTED DURING REGULAR SCHOOL HOURS				
PTM- 17-08-2024				

- Duration of Test will be 45 minutes.

Guidelines-

- Regular classes will be held after each test.
- **No re-test will be conducted at any level.**
- First periodic will be conducted for 40 marks.
- Duration of exam will be 1.5 hour.
- 20% of the entire **syllabus** will be covered in the first periodic.
- 5% of the First Periodic will be added to the final cumulative result.

MONTH : SEPTEMBER EXAMINATION : HALF YEARLY				
DAYS	DATES	CLASS VI	Class VII	CLASS VIII
TUESDAY	17-09-2024	SOCIAL SC	FRENCH / SKT	ENGLISH
THURSDAY	19-09-2024	HINDI	MATHS	SCIENCE
SATURDAY	21-09-2024	ENGLISH	HINDI	MATHS
MONDAY	23-09-2024	SCIENCE	SOCIAL SC	FRENCH / SKT
WEDNESDAY	25-09-2024	SKT	SCIENCE	HINDI
FRIDAY	27-09-2024	MATHS	ENGLISH	SOCIAL SC
FRENCH/KOREAN (GRADE VI) & IT EXAMINATION WILL BE CONDUCTED DURING REGULAR SCHOOL HOURS				
PTM- 26-10-2024				

Guidelines-

- Half yearly exam will be conducted for 80 marks.
- Duration of exam will be 3 hours.
- 50% of the entire **syllabus** will be covered till the half yearly exams.
- Exam for SKILL MODULE will be conducted on REGULAR WORKING DAYS for Theory (15 marks) and Practical (project submission- 35 Marks).

MONTH : DECEMBER EXAMINATION : PA -2				
DAYS	DATES	CLASS VI	Class VII	CLASS VIII
MONDAY	16-12-2024	SCIENCE	SOCIAL SC	FRENCH / SKT
WEDNESDAY	18-12-2024	SKT	ENGLISH	SCIENCE
FRIDAY	20-12-2024	MATHS	HINDI	SOCIAL SC
MONDAY	23-12-2024	SOCIAL SC	SCIENCE	ENGLISH
THURSDAY	26-12-2024	HINDI	MATHS	HINDI
SATURDAY	28-12-2024	ENGLISH	FRENCH / SKT	MATHS
FRENCH/KOREAN (GRADE VI) & IT EXAMINATION WILL BE CONDUCTED DURING REGULAR SCHOOL HOURS				
PTM- 18-01-2025				

- 20% weightage of half yearly will be added in cumulative annual result.

Guidelines-

- Regular classes will be held after each test.
- **No re-test will be conducted at any level.**
- Second periodic will be conducted for 40 marks.
- Duration of exam will be 1.5 hour.
- 75% of the entire **syllabus** will be covered till second periodic.
- 15% of the Second Periodic will be added to the final cumulative result.

MONTH : FEBRUARY EXAMINATION : ANNUAL				
DAYS	DATES	CLASS VI	Class VII	CLASS VIII
FRIDAY	21-02-2024	ENGLISH	FRENCH / SKT	SCIENCE
MONDAY	24-02-2024	SOCIAL SC	MATHS	ENGLISH
THURSDAY	27-02-2024	ENGLISH	HINDI	MATHS
MONDAY	03-03-2025	SCIENCE	SOCIAL SC	FRENCH / SKT
WEDNESDAY	05-03-2025	SKT	SCIENCE	HINDI
FRIDAY	07-03-2025	MATHS	ENGLISH	SOCIAL SC
FRENCH/KOREAN (GRADE VI) & IT EXAMINATION WILL BE CONDUCTED DURING REGULAR SCHOOL HOURS				
PTM- 17-03-2025				

Guidelines

- **No re-test will be conducted at any level.**
- Yearly exam will be conducted for 80 marks and 60% weightage of the same will be taken.
- Exam for SKILL MODULE will be conducted on REGULAR WORKING DAYS for Theory (15 marks) and Practical (project submission- 35 Marks).
- Duration of exam will be 3 hours.

ENGLISH

ENGLISH

GRADE – 8

COURSE BOOK :Burlington 21st Century English - 8

GRAMMAR :Burlington English Grammar An Electric Approach - 8

PERIODIC – 1

APRIL

NO. OF PERIODS

COURSE BOOK :

Ch-1 Backstage at Baking Big (4)

Ch – 2 : My Elder Brother (4)

Poem : Hope is the Thing With Feathers (4)

GRAMMAR

Tenses (Past, present and Future) (4)

WRITING :

E_mail writing (3)

MAY

NO. OF PERIODS

GRAMMAR

Adverb and its Types (5)

WRITING :

Notice (3)

ACTIVITY BASED CHAPTERS : Ch – 2 : My Elder Brother

ENRICHMENT ACTIVITIES :

1. Listening Activity [Coursebook page 20, 34]
2. Speaking Activity : Course Book pg 21 (Group Activity)
3. Prepare a Comic Strip based upon your understanding of the Chapter My Elder Brother. (To be done in Integrated Project File)

HALF YEARLY EXAMINATION

JULY.

No. Of Periods

COURSEBOOK

Ch-3 : A Real – life Mowgli (4)

Ch-9 : Evidence at the Crime Scene (3)

Poem : Nurse’s Song (3)

GRAMMAR :

Determiners (4)

Clauses and its Types (4)

WRITING:

Diary Entry (2)

A Biography (2)

AUGUST

No. Of Periods

GRAMMAR:

The Passive (6)

Subject Verb Agreement (5)

WRITING :

Informal Letter (6)

SEPTEMBER

NO. Of Periods

Editing and Omission (4)

ACTIVITY BASED CHAPTER

Course Book : Ch 4 : Meeting Mozart

Recapitulation for HY

REPEATED TOPICS:

1. Tenses (PA1)
2. Notice (PA1)

ENRICHMENT ACTIVITIES :

1. Listening Activity : (Course Book Pg. 48 , 142)
2. Speaking Activity : Declamation- It's good to help others (Individual Presentation)
3. Course Book Pg 52 - Make a poster on the topic – Music is Power (to be done in Integrated Project File)

PERIODIC - 2

OCTOBER.

No. Of Periods

COURSEBOOK

Ch-7 : The Cry of The Wolf	(4)
Ch-8 : A Trip to Kerala	(3)
Poem : Ozymandias	(3)

GRAMMAR :

Conditionals	(2)
Adjectives and its Kinds	(3)

WRITING:

Message Writing	(2)
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NOVEMBER

No. Of Periods

GRAMMAR:

Connectors	(6)
Countable and Uncountable Nouns, Quantifiers	(6)

WRITING :

Formal Letter (Editorial)	(3)
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ACTIVITY BASED CHAPTER Ch-8 : A Trip to Kerala

ENRICHMENT ACTIVITIES :

1. Listening Activity : (Course Book Pg. 111 , 125)

2. Speaking Activity : How Schools can Help to Protect the Environment (Group Task)

3. Read the story 'A Trip to Kerala' & present its summary in the form of a Mind Map. (To be done in Integrated Project File)

ANNUAL EXAMINATION

DECEMBER

No. Of Periods

COURSEBOOK

Ch-6 : The Problems for Charles Darney

(4)

Ch-10 : The Game of Chess

(4)

Poem : On the Grasshopper and Cricket

(3)

GRAMMAR :

Reported Speech

(6)

WRITING:

Report Writing

(4)

JANUARY

No. Of Periods

GRAMMAR:

Gerunds and Infinitives

(8)

WRITING :

Story Writing

(5)

FEBRUARY

NO. Of Periods

WRITING SKILL

A Descriptive Essay

(3)

GRAMMAR

Vocabulary (Idioms and Proverbs)

(3)

Recapitulation

ACTIVITY BASED CHAPTER

Course Book : Ch 5 : Welcome to Coober Pedy

REPEATED TOPICS:

1. Tenses (PA1)
2. E_Mail (PA1)
3. Clauses and its Types (HY)
4. Subject verb Agreement (HY)
5. Informal Letter (HY)
6. Message Writing (PA2)
7. Adjectives (PA2)

ENRICHMENT ACTIVITIES :

1. Listening Activity : (Course Book Pg. 98 , 159)
2. Speaking Activity : The Adventure Sport I Like the Most and Why (Individual Presentation)
3. Read the Story – Welcome to Coober Pedy and make finger puppets of the characters (to be done and pasted in Integrated Project File)

हिंदी

- पाठ्यपुस्तक - नंदिनी
- व्याकरण - व्याकरण आलोक

PERIODIC-1

अप्रैल

कालांश

नंदिनी-

- 1- किसको नमन करूँ मैं
- 2- कमजोर

4

4

व्याकरण- भाषा तथा व्याकरण-

ध्वनि वर्ण तथा वर्तनी
संधि तथा संधि विच्छेद

2

2

शब्द भण्डार -

पर्यायवाची शब्द - 1-17

1

विलोम- 1-22

1

अनेकार्थी -1-12

1

श्रुतिसम भिन्नार्थक शब्द - 1-14

1

लेखन कौशल

पत्र लेखन (औपचारिक एवं अनौपचारिक)

1

कक्षा-गतिविधि - (मौखिक) -कमज़ोर को भी मनोबल प्रदान करने वाले कबीर की साखी या दोहे कंठस्थ करके लयात्मक रूप से कक्षा में सुनाइए ।

मई

कालांश

नंदिनी- सच्ची वीरता

3

व्याकरण - शब्द पद एवं शब्द के भेद
शब्द निर्माण

1

1

शब्द भंडार-लोकोक्तियाँ - (1-7)

1

मुहावरे (1-26)

वाक्यांशों के लिए एक शब्द (1-16)

लेखन कौशल- सूचना लेखन

1

कक्षा गतिविधि- (मौखिक) -26 दिसंबर को बाल दिवस क्यों मनाया जाता है। 14 नवंबर और 26 दिसंबर दोनो बाल दिवस में क्या अंतर है और इनके पीछे की कहानी का नाट्य रूपांतरण कीजिए।

(विद्यार्थी कम से कम सात से आठ विद्यार्थियों के समूह में प्रस्तुति करेंगे 1

कक्षा गतिविधि (SubjectEnrichment Activity to be done in Project File) -पिछले 10 वर्षों में पुरस्कृत वीर बाल-बालिकाओं के बारे में एक रिपोर्ट तैयार कीजिए तथा किसी एक वीर बालक या बालिका की वीरता का सचित्र वर्णन कीजिए।

इच्छानुसार गृह कार्य - विद्यार्थीनीचे दिए गए दो प्रश्नों में से किसी भी एक का चयन करके प्रोजेक्ट फाइल में करेंगे ।

- 1- अयोध्या में बने राम मंदिर के पीछे की पूरी कहानी को एक परियोजना के रूप में चित्रों सहित लिखिए ।
- 2- पढाई में कमजोर होने के बाद भी कई ऐसी महानहस्तियाँ है जिन्होंने कामयाबी हासिल करके इतिहास के पन्नों में अपना नाम दर्ज कराया है , ऐसे किसी एक व्यक्ति के बारे में संपूर्ण जानकारी एकत्रित करके चित्र सहित परियोजना कार्य कीजिए ।
- 3- अब्राहम लिंकन एक ऐसी महान हस्ती थे जिन्होंने अपने जीवन में इतने महान कार्य किए कि उन्हें आज भी उनके योगदान के लिए याद किया जाता है । उनके योगदान को चित्रात्मक रूप से परियोजना कार्य के रूप में कीजिए ।

HALF YEARLY

जुलाई

कालांश

नंदिनी -

- | | |
|---|---|
| 4. बीसवीं सदी का सबसे बुद्धिमान व्यक्ति | 4 |
| 5- राम सुग्रीव मैत्री | 4 |
| 6- चिकित्सा का चक्कर | |
| 4 | |

व्याकरण आलोक - संज्ञा

1

संज्ञा की व्याकरणिक कोटियाँ¹

सर्वनाम

1

शब्द भंडार- पर्यायवाची - 18 - 33

1

विलोम - 23 - 45

1

अनेकार्थी- 13 - 25

श्रुतिसम भिन्नार्थक शब्द - 15-28

1

लेखन कौशल - अनुच्छेद

1

विज्ञापन

1

कक्षा गतिविधि - (मौखिक) गणित में कमजोर आइंस्टीन ने गणित को ही अपने जीवन का गीत बना लिया उनके जीवन की गाथा को अपने सहपाठियों के संग प्रस्तुत कीजिए ।

2

कक्षा गतिविधि (SubjectEnrichment Activity to be done in Project File) भारत में प्राचीन और आधुनिक कितनी प्रकार की चिकित्सा पद्धतियां है उन सभी को दर्शाती चित्र सहित परियोजना कार्य कीजिए ।

1

अगस्त

कालांश

नंदिनी -

7- मेरी यूरोप यात्रा	3	
8-अब्राहम लिंकन का पत्र	3	
9-काँच का महल		3

पुनरावृत्ति (Repeated chapter)

कमजोर
सच्ची वीरता

व्याकरण आलोक -

विशेषण	1	
क्रिया	1	

शब्द भंडार -लोकोक्तियाँ (8-14)

1		
मुहावरे (27-52)	1	
वाक्यांश के लिए एक शब्द (17 - 32)		1

लेखन कौशल- पत्र

ई-मेल	1	2
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मौखिक गतिविधि-

2

किताबे पढना हमारे लिए किस प्रकार हितकारी हो सकता है? अपनी प्रिय पुस्तक के बारे में विस्तार पूर्वक अपने विचार प्रकट कीजिए कि आपकी प्रिय पुस्तक ने आपको किस प्रकार प्रभावित किया ?

PERIODIC-2

सितंबर

कालांश

नंदिनी -

10- प्रतिशोध	4	
11- बाल्य स्मृति	4	

व्याकरण आलोक-सहायक क्रिया

काल, पक्ष, वृत्ति	2	2
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शब्द भंडार -

पर्यायवाची - 34-49	1	
विलोम- 46-67	1	
अनेकार्थी -26-37	1	
श्रुतिसम भिन्नार्थक शब्द-29-421		

लेखन कौशल- टिप्पणी लेखन

निबंध लेखन	2	2
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मौखिक गतिविधि - अपने बाल्य काल से संबंधित किसी ऐसी घटना का वर्णन कीजिए जिसने आपका हृदयपरिवर्तन किया हो और उस घटना से आपके जीवन में बदलाव आया हो

2

इच्छानुसार गृह कार्य - विद्यार्थीनीचे दिए गए दो प्रश्नों में से किसी भी एक का चयन करके प्रोजेक्ट फाइल में करेंगे

- 1- श्री राम या श्री कृष्णजी की बाल लीलाओं में से किन्हीं तीन लीलाओं का सचित्र वर्णन लिखिए
- 2- वसुधैव कुटुम्बकम् इस सूक्ति के आधार पर हमारे माननीय प्रधानमंत्री नरेंद्र मोदी जी ने विश्वस्तर पर क्या क्या प्रयास किये हैं , विस्तार पूर्वक लिखिए
- 3 - 2023 वर्ष में राष्ट्रपति द्वारा प्राप्त वीरता पुरस्कारों से सम्मानित किन्हीं तीन व्यक्तियों के उन कार्यों पर सचित्र परियोजना तैयार कीजिए , जिनकी वजह से उन्हें वीरता पुरस्कार से सम्मानित किया गया ।

अक्टूबर **नंदिनी -**

कालांश

12- आत्मनिर्भरता

4

व्याकरण आलोक-

वाच्य तथा वाच्य परिवर्तन वाच्य
अव्यय व अविकारी शब्द

3

2

शब्द भंडार-लोकोक्तियाँ-15-21

1

मुहावरे- 53-78

1

वाक्यांश के लिए एक शब्द - 33 -47

1

लेखन कौशल-प्रतिवेदन

2

सूचना

2

मौखिक गतिविधि -आत्मनिर्भरता मनुष्य को स्वाधीन बनने की प्रेरणा देती है इस विषय पर एक भाषण तैयार कीजिए ।

2

लिखित गतिविधि- (Subject Enrichment Activity to be done in Project File) गुरुदेव रवीन्द्रनाथ ठाकुर जी के पूरे जीवन को दर्शाती एक चित्रात्मक परियोजना कार्य तैयार कीजिए ।

ANNUAL

नवंबर

कालांश

नंदिनी - सागर लहरे

4

आओ अखबार पढ़ें

4

व्याकरण आलोक-वाक्य विचार

2

वाक्य गत अशुद्धियाँ

2

शब्द भंडार-

पर्यायवाची -50-66

1

विलोम- 68-90

1

अनेकार्थी -38-50 1

लेखन कौशल-

स्व वृत्त लेखन 3

मौखिक गतिविधि - पृथ्वी पर कुल पाँच महासागर है उन सभी महासागरों का परिचय अपने चार मित्रों संग स्वयं महासागर का अभिनय करते हुए दीजिए। (विद्यार्थी कम से कम 4 विद्यार्थियों के समूह में प्रस्तुति करेंगे) 2

दिसंबर

कालांश

नंदिनी-

कुछ डायरियों के पत्रे 4

व्याकरणआलोक -

विराम चिह्न 2

अपठित गद्यांश

2

शब्द भंडार-

लोकोक्तियाँ-22-31 1

श्रुति सम भिन्नार्थकशब्द - 43-57 1

लेखन कौशल-

प्रतिवेदन 3

अनुच्छेद 2

पत्र 2

लिखितगतिविधि - (Subject Enrichment Activity to be done in Project File) ग्लोबल वार्मिंग का बढ़ता खतरा इस विषय पर चित्रात्मक गतिविधि कीजिए, जिसमें ग्लोबल वार्मिंग के खतरों को चित्र व उसका वर्णन दोनों ही माध्यम से दिखाइए।

जनवरी

कालांश

नंदिनी-

पुनरावृत्ति

किसको नमन करूँ मैं

राम सुग्रीव मैत्री

व्याकरणआलोक-अपठित गद्यांश 3

अनुच्छेद लेखन 3

पत्र 3

शब्द भंडार - वाक्यांशों के लिए एक शब्द - 48-66 2

मुहावरे - 79-103 2

मौखिकगतिविधि - क्या प्रार्थना पूजा करना हमारे जीवन का एक आवश्यक अंग है ? आप अपनी दिनचर्या में कौन सी प्रार्थना करते हैं और क्यों ? अपने शब्दों को एक प्रस्तुति के माध्यम से प्रकट कीजिए 2

फरवरी

नंदिनी-

पुनरावृत्ति

आत्म निर्भरता

काँच का महल

कालांश

व्याकरणआलोक-वाक्य विचार

3

वाक्य गत अशुद्धियाँ

3

लेखन कौशल -

प्रतिवदेन

3

सूचना

3

विज्ञापन

3

अनुच्छेद लेखन

3

लिखितगतिविधि - (Subject Enrichment Activity to be done in Project File) शिक्षक हमारे चरित्र निर्माण में महत्वपूर्ण भूमिका निभाते हैं वे भविष्य निर्माण के साथ साथ हमारे जीवन में नैतिक मूल्यों का भी समावेश करते हैं ? इस विषय पर अपने विचारों को अनुच्छेद के माध्यम से लिखिए

MATHEMATICS

PRESCRIBED BOOKS :

- TEXTBOOK: UNIVERSAL MATHEMATICS PRIME
- THINKING CLASSROOM – 8

PERIODIC – 1

APRIL

NO. OF PERIODS

Chapter 1: Rational Numbers

12

Chapter 2: Exponents and powers

MAY:

Chapter 11: Understanding Quadrilaterals

11

Chapter 5: Playing with numbers (Activity Based)

03

Enrichment Activities: (In Maths Project file)

1. To build the concept of commutative properties of multiplication of rational numbers.

(Chapter 1, Classroom group Activity) (Skill-Analytical Thinking)

2. To demonstrate the concepts of cryptarithms and alphametics on addition and multiplication.

(Chapter 5, Project Based Learning) (Skill- Critical Thinking)

3. To verify the interior & exterior angle sum properties of quadrilaterals for different types of quadrilaterals.

(Chapter11, Experiential Learning) (Skill- Art Integration)

4. To find the value of 2 raised to the power 10.

(Chapter2, Pair Activity) (Skill- Collaboration and communication)

HALF YEARLY

JULY

NO. OF PERIODS

Chapter-8 Linear equations in one variable

09

Chapter - 3 Squares and square roots

12

AUGUST

Chapter -4 Cubes and cube roots

12

SEPTEMBER

Chapter 16 - Data Handling.

10

Chapter 12– Visualizing solid shapes.(Activity Based)

03

Enrichment Activities: (In Maths Project file)

1. Write how much marks you score in Periodic I in the following subjects

(1) Science (2) English (3) Maths (4) Hindi (5) Social Science

Represent the information in a Pie Chart

(Chapter- 16, Project file). (Skills- Analytical Thinking)

2.To build 3D shapes by using its top view, side view and front view.

(Chapter-12, Demonstration, Project Based Learning) (Skill- Creativity)

3. To understand how to represent a real life situation as a linear equation

(Chapter -8, Learning Beyond) (Skill- Critical Thinking)

4. To verify two triangular numbers combine to form square numbers.

(Chapter-3)(Skill- Analytical and Critical Thinking)

Repeated Chapters: Chapter 11 Understanding quadrilaterals.

PERIODIC-2

OCTOBER

NO. OF PERIODS

Chapter-6 Algebraic Expressions and Identities

10

NOVEMBER

Chapter-7 Factorisation

10

Chapter-10 Direct and Inverse Variation	12
Chapter- 13 Practical Geometry (Activity Based)	03

Enrichment Activities: (In Maths Project file)

1. To understand direct proportion by studying the relationship between time taken and distance conversion by a car.
(Table will be provided) (Chapter-10, Maths Connect) (Skills- Analytical Thinking)
2. To verify the following identity by paper cutting & pasting. $(a+b)^2 = a^2 + 2ab + b^2$
(Chapter -6) (Skill-Art Integration)
3. To verify the following identity by paper cutting & pasting $a^2 - b^2 = (a - b)(a + b)$
(Chapter -7) (Skill-Art Integration)
4. 12. To identify the properties of figures obtained by joining the mid points of all type of quadrilaterals.
(Chapter 13, Project Based Learning)(Skill- Analytical Thinking)
5. **Note:** * Maths Project file and notebook will be assessed. Interdisciplinary project will be assessed

ANNUAL

DECEMBER	NO. OF PERIODS
Chapter- 14 Mensuration	15

JANUARY

Chapter-9 Comparing Quantities	10
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FEBRUARY

Chapter-15 Introduction to Graphs	06
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Enrichment Activities : (In Maths Project file)

1. To explore the concept of Lateral Surface Area, Total Surface Area and volume of a right circular cylinder.**(Chapter 14, Experiential Learning) (Skill- Exploration and Critical Thinking)**
2. To strengthen the concept of percentage increase or decrease of a quantity.
(Chapter- 9)(Skill-Critical Thinking)
3. 15. To compare Simple Interest and Compound Interest using graphs
(Chapter-15, Demonstration)(Skill-Critical Thinking)

Repeated Chapters:

Chapter 1: Rational Numbers

Chapter 3: Square & square roots

Chapter 6: Algebraic expressions and identities

Chapter 7: Factorisation

Chapter 8: Linear equation in one variable

SCIENCE

PRESCRIBED BOOKS:

- **SPLENDID SCIENCE**
- **WOW SCIENCE LAB**

PERIODIC -1

APRIL

CHAPTER 1-Crop production and management

DIAGRAM –Types of irrigation

CHAPTER 2-Synthetic fibre and plastics

DIAGRAM linear and cross linked arrangement of monomers

MAY

CHAPTER 5-Coal and petroleum

DIAGRAM- i) petroleum Reservoir

ii) Fractional Distillation of Petroleum

CHAPTER 7 –Conservation of plants and Animals(Activity Based)

Activity :Prepare a collage of endangered species in your project file

SUBJECT ENRICHMENT ACTIVITIES

- I) Root nodules of leguminous plants to be shown.(Exponential Learning)
- II) Prepare green manure by collecting green leaves along with twigs.Pg 5(Experiential learning)
- III) To compare the tensile strength of different fibres.(to be done in science practical file)
- IV) To understand everyday usage of fossil fuel and ways to reduce energy consumption.(Experiential learning)
- V) Make a working model of Drip irrigation method using a plastic pipes and running water taps.(Model making Activity)
- VI) Are traditional agricultural practice in India better than modern method (pg 15) to be done in project file.
- VII) Formation of Petroleum (Exponential learning)
- VIII) 3D module to be shown of topic covered.

HALF YEARLY

JULY

CHAPTER 4-Metals and Nonmetals

DIAGRAM –Activities series of metals.

CHAPTER 6- Combustion and Flame

DIAGRAM i) Fire Triangle

ii) Parts of candle flame

iii) Calorific value of various fuels

CHAPTER 8-Cell structure and function

- i) Nerve cell
- ii) Irregular shape of amoeba
- iii) Animal /plant Cell

AUGUST

CHAPTER 13- Sound

DIAGRAM-i) Human Ear

ii) Frequencies of sound waves

CHAPTER 15- Some Natural Phenomenon

DIAGRAM –i) Metal Leaf Electroscope

ii) Internal structure of Earth.

CHAPTER 17- Stars and solar system (Activity based)

Activity-Make a ppt of FUTURE IMPACT OF SPACE JUNK.

Repeated chapters-CHAPTER 5-Coal and petroleum

SUBJECT ENRICHMENT ACTIVITIES-

- i)** Many metals and Nonmetals are essential for your body. Prepare a list of such metals and mention their functions pg 58 (to be done in project file)
- ii)** To study conditions necessary for combustion(to be done in science practical file)
- iii)** To show that combustion does not take place below its ignition temperature.(to be done in science practical file)
- iv)** To show different zones of a candle flame (demonstration)
- v)** To study the reaction of metal and nonmetals with an acid (demonstration)
- vi)** To prepare a temporary mount slide of plant cell and observe under a microscope (to be done in science practical file)
- vii)** Make a model of neuron / atypical cell using pulses ,beads,cotton(Art integrated) activity.
- viii)** 3D module to be shown of topic covered.
- ix)** To make an electroscope /lightening conductor(Exponential learning)
- x)** To understand how Fire Extinguisher works.(Experimental learning)

- xi) To study the effect of copper sulphate solution on Iron nails(Exponential learning)

PERIODIC -2

SEPTEMBER/OCTOBER

CHAPTER9-Reproduction in animals.

DIAGRAM- i) life cycle of Butterfly

ii) Life cycle of frog

iii)Male and female reproductive system

NOVEMBER

CHAPTER 10- Reaching the age of adolescence.

CHAPTER 16- light

DIAGRAM –i) Regular and Diffused reflection

ii) structure of Human Eye

CHAPTER 18- Pollution of air and Water(Activity based)

Activity- Make a list of things that you can do to reduce air and water pollution.

SUBJECT ENRICHMENT ACTIVITIES-

- i) Study the permanent slides of budding in hydra and binary fission in amoeba.Pg115(to be done in science lab manual)
- ii) To prove laws of reflection by using plane mirror (pg 230) to be done in project file.
- iii) To prepare a model of Kaleidoscope (model making) Art integrated project.
- iv) To study structure of human eye (demonstration)
- v) To demonstrate life cycle of butterfly(to be done in science project file)
- vi) To study dispersion of light (Exponential learning)
- vii) 3-D model to be shown on the lesson covered.

ANNUAL

DECEMBER

CHAPTER 2- Microorganism

DIAGRAM-i) Protozoa

ii) Fungi

iv) Nitrogen cycle

JANUARY

CHAPTER 11- FORCE AND PRESSURE

CHAPTER 12 Friction

- i) Types of frictions

CHAPTER 14- Chemical effect of electric current

- i) Electrolytic cell
- ii) Formation of Sodium hydroxide
- iii) Electroplating

REPEATED CHAPTERS-

CHAPTER 1-Crop production and management

CHAPTER 8-Cell structure and function

CHAPTER 4-Metals and Nonmetals

CHAPTER 16- light

SUBJECT ENRICHMENT ACTIVITIES-

- i) Growing and observing bread mould(Exponential learning)
- ii) To study characteristics of various micro organism using permanent slides(to be one in practical file.)
- iii) To observe the presence of micro organism in pond water(to be done in science practical file)
- iv) To study root nodules of leguminous plants.(Exponential learning)
- v) To prepare a model of toy phone.Model making
- vi) To study that liquids exerts equal pressure at same depth (done in science practical file)
- vii) To study flow of electric current through various liquid samples.(done in science practical file)
- viii) To study electroplating a metal spoon with copper.(Demonstration)
- ix) To study relationship between pressure and area to contact for the same applied force.
- x) 3-D module to be shown on the lesson covered.

SOCIAL SCIENCE

PRESCRIBED BOOKS :

- FOOTPRINTS BY MACMILLAN EDUCATION

PERIODIC – 1

APRIL

NO OF PERIODS

CH 1 – Economic Activities in your Locality (Project Work)

10

CH2 – Understanding Local Markets 9

MAY

NO OF PERIODS

CH – 3 CH3 – Block and District Administration 8

SUBJECT ENRICHMENT :

- 1) Allied Agriculture: Form groups of two or three students and create a list of at least two activities that are 'allied' to agriculture, such as pisciculture and beekeeping. Evaluate the potential for employment in pisciculture and beekeeping in India. You can collect data from the Government of India websites on the Internet. Check the number of people involved in these two sectors during the last 15 years. Interpret and evaluate the data and calculate the increase in the number of people involved in each sector. Present your findings in the class. Where to do: Written activity - to be done in project file How to do : Group project
- 2) 2) Visit a village of your own choice or within the city and organize an interactive session with farmers to learn about the difficulties they face regarding proper storage and marketing of their produce. What measures will you suggest to help them earn maximum profits for their produce? Share your experience about the same in the class with the help of a presentation. Where to do: Online platform(Near pod), How to be done: Oral presentation, Individually to be done in the class.

HALF YEARLY

JULY

NO OF PERIODS

CH 5 – Mineral resources and industries- North and South India 7

CH 6- Mineral resources and industries- West and East India 8

AUGUST

NO OF PERIODS

CH 13 – Imposition of the new rule: Colonial agrarian policies and impact 6

CH 12- From Trade to a Ruling Power 7

CH 16 - The Indian Constitution 6

SEPTEMBER

NO OF PERIODS

CH 17 – Constitutional Values, Rights, and Duties 6

Repeated chapter:

CH 3 – Block and District Administration

SUBJECT ENRICHMENT:

- 1) Create storyboards illustrating the different sequences that occur from 1600 to 1800CE. Each group can take up a small event that took place during the period of the Battle of Buxar, and then compile their storyboards in the form of Comic strips to cover the entire episode. • Group A: Establishment of East India Company • Group B:

Battle of Plassey • Group C: Battle of Buxar • Group D: Anglo-Mysore Wars • Group E: Anglo-Maratha Wars
Where to do: A-3 size sheets How to do: Group Activity, to be presented orally in the class.

2) Assume you are a gemstone in a jeweler's shop. Narrate your story in your class describing how you were mined and which phases you passed through before reaching the market. Where to do: Class Presentation, No written submission How to do: Individual Activity to be presented orally in the class.

PERIODIC – 2

OCTOBER

NO OF PERIODS

CH 7 - Livelihood patterns: North and South India 9

CH 8 – Livelihood patterns: West and East India 9

NOVEMBER

NO OF PERIODS

CH 9 – Government and People 6

CH 14 – The Colonial state and tribal unrest.(Case study: the revolt of 1857) 7

CH 18 – The United States of America: geographical features 7

SUBJECT ENRICHMENT

1) Project work (to be done during winter break)

Introduction: What complex interplay of economic, military, political, and cultural factors fueled the ascension of the United States to superpower status in the aftermath of the American Revolution, and how did this transformation reshape the global geopolitical landscape, alter existing power dynamics, and influence diplomatic relations with other nations during the late 18th and early 19th centuries?

- I. Objectives: To explore how this transformation reshaped the global geopolitical landscape, altered existing power dynamics, and influenced diplomatic relations with other nations during the late 18th and early 19th centuries.
- II. Economic Factors: Explore how the USA's newfound independence and economic policies, such as tariffs and trade agreements, fostered economic growth and stability, laying the foundation for its rise as an economic powerhouse.
- III. Military Factors: Examine the development of the USA's military capabilities and its role in securing independence and protecting national interests, contributing to its reputation as a military power.
- IV. Political Factors: Discuss how the USA's political system, based on democratic principles and a constitution, influenced its domestic governance and its standing in the international community.
- V. Cultural Factors: Analyze the role of American culture, including literature, art, and ideology, in shaping its national identity and influencing global perceptions of the country.
- VI. Global Impact: Evaluate how the USA's ascension to superpower status impacted the global geopolitical landscape, including the balance of power, alliances, and diplomatic relations.
- VII. Diplomatic Relations: Explore how the USA's emergence as a superpower affected its diplomatic relations with other nations, including European powers, Native American tribes, and newly independent Latin American countries.

VIII. Legacy: Reflect on the lasting impact of this transformation on the USA's position in the world and its role in shaping future events and international relations. Note: This project can be further expanded with additional details, visuals, and specific mission highlights based on available resources and requirements. Where to do: to be written in the project file How to do: Individual submission is required, no oral presentation is required.

ANNUAL

DECEMBER

NO OF PERIODS

CH 15 - Indian National Movement and Independence

6

CH 19 – The United States of America: A Brief History(Food Preservation in American History) 7

JANUARY

NO OF PERIODS

CH 4 – The Indian National Movement in state

5

CH 11 – Case studies: Chhattisgarh, Odisha and Delhi NCR

5

CH 10 - India: Natural and Human Resource

5

FEBRUARY

NO OF PERIODS

CH 20 - The United States of America Society, Culture, and Economy

8

REPEATED CHAPTERS

PD1:CH 2 - Understanding Local Markets

PD 2: CH 18 – The United States of America: geographical features

Half-yearly: CH 6 – Mineral resources and industries: West and East India

SUBJECT ENRICHMENT

1)The Ruhr region in western Germany had a bustling economy in the 1950s, driven by coal mining. However, the region's coal production declined over the following decades due to international competition, leading to a decline in the coal mining workforce and the closure of the last mine in 2018. Search the Internet, and find the historical, economic, and environmental factors that led to the decline of coal mining in the Ruhr region. Where to do: PowerPoint presentation How to do: Oral presentation to be individually presented in the class

2)Conduct a comprehensive comparative analysis of industries between India and the USA in groups, considering factors such as market dynamics, regulatory frameworks, technological innovation, and competitive landscapes. Research and write down the observation in the project file discussing the importance of governmental policies, trade agreements, cultural nuances, and global market trends of the USA impacting the world. Group A: Market Dynamics Group B: Regulatory Frameworks Group C: Technological Innovation Group D: Competitive landscapes Group E: Government Policies Where to do: A-3 size sheet How to do: Presentation in the class by the group leader/rotation of team members

SANSKRIT

पाठ्यपुस्तक - दिव्यम् - भाग-3 . Together with

PERIODIC - I

अप्रैल

पाठ -1. स्वास्थ्यैव धनम् (3)

पाठ-2 पुनर्मूषको भव (3)

व्याकरण

शब्दरूप - धेनु, आत्मन् (2)

पठित गद्यांश (2)

कक्षा-गतिविधि (क्रियात्मक) "हितोपदेश" या "पञ्चतन्त्र" से एक कथा चित्र सहित कक्षा में प्रस्तुत करें व कथा की नैतिक शिक्षा भी लिखें।

मई

पाठ-3 अपूर्वः त्यागः (3)

व्याकरण

धातुरूप- वद , दा (पांचों लकार) (2)

चित्रवर्णन, अपठित गद्यांश (3)

HALF YEARLY

जुलाई

पाठ-4 तुलस्याः महत्ता (2)

पाठ 5 पीयूष - बिन्दवः (2)

पाठ - 6 चाणक्यः चन्द्रगुप्तः च (2)

व्याकरण

शब्दरूप- राजन् सरित्

धातुरूप स्मृ, स्निह (पांचों लकार)

पठित गद्यांश, अपठित गद्यांश

संख्या 1-50 , विलोमशब्दाः- संपत्ति- सत्यम्

कक्षा गतिविधि कोई दो शिक्षाप्रद श्लोक अर्थसहित यादकर कक्षा में प्रस्तुत करें।

अथवा

तुलसी के विभिन्न उपयोगों व महत्त्व के विषय में विस्तृत जानकारी एकत्रित करें ।

अगस्त

पाठ- 7 वासुदेवस्य दूतकर्मः (2)

पाठ - 8 अमूल्यः समयः (2)

व्याकरण

शब्दरूप - विद्वस्, गुणिन् (1)

धातुरूप - उत् + स्था, प्र + विट (1)

पर्यायवाची- कमलम् से सूर्य, समयलेखनम् (3)

पठित व अपठित गद्यांश (3)

कक्षा-गतिविधि कोई दो समय दर्शाते हुए घड़ी बनाए व उसमें समय केवल संस्कृत भाषा में लिखें।

PERIODIC -II

सितंबर

पाठ- 9 पर्यावरणरक्षकाः (3)

पाठ-10 लोभः पापस्य कारणम् (3)

व्याकरण

शब्दरूप - गच्छत्, जगत्

संख्या - 51-70

कक्षा गतिविधि अपनी संचिका में किन्हीं 5 औषधीय वृक्षों के चित्र लगाकर, उनकी उपयोगिता भी लिखिए।

अक्टूबर

पाठ - 11 भारतीयाः नार्यः

व्याकरण

धातुरूप- पठ, क्रीड (पांचों लकार) (1)

विलोमशब्दाः - भूतम् से जयः (1)

पठित व अपठित गद्यांश (2)

ANNUAL

नवंबर

पाठ-12 गीतायाः महत्त्वम् (3)

पाठ- 13 सन्मित्रम् (2)

व्याकरण

शब्दरूप - भवत, वधू लभ, मुद (पांचों लकार)

धातुरूप - लभ, मुद (पांचों लकार)

पर्यायपद- देव से जलम्

कक्षा-गतिविधि - 'मम प्रिय मित्रम्'- अपने मित्र का चित्र लगाकर, उसके विषय में विस्तृत रूप से लिखें।

दिसंबर

पाठ - 14 राजा भोजः (2)

पाठ 15 अविस्मरणीया गोवायात्रा (2)

व्याकरण

शब्दरूप - तत् (तीनों लिंगों में), शिशु (2)

संख्या - 71- 100 (1)

धातुरूप सेव, याच (पांचों लकार) पा (2)

कथा-लेखन (2)

जनवरी

पाठ - 16 समशीलेषु विभाति मैत्री (3)

व्याकरण

चित्रवर्णन (1)

कथालेखन (1)

वार्षिक परीक्षा हेतु पुनरावृत्ति

FRENCH

PRESCRIBED BOOK:

➤ MAESTRO 3!

PERIODIC -1

Leçon- 1 De la tête aux pieds

Leçon- 2 Vous avez l'heure s'il vous plaît ?

Linguistiques : Le placement des adjectifs, les parties du corps, des locutions du verbes avec le verbe « avoir », des connecteurs logiques, les verbes pronominaux, les monumets de la journée

Socioculturels : Des locutions verbales, l'heure

Écriture : Décrivez votre famille

Culture et Civilisation : Connaître bien la France !

Les Activités : 1. Juste une minutes

2. L'invitation

HALF YEARLY

Leçon- 3 Echappatoire

Leçon- 4 C'est dans le passé

Leçon- 5 C'est encore dans le passé

Leçon- 1 De la tête aux pieds

Linguistiques : Les adverbes de fréquence, les articles indéfinis, les adjectifs possessifs, les verbes « faire » et « jouer », Le passé composé(avec l'auxiliaire avoir et être) le négatif et l'Interrogatif du passé composé, le placement des adjectifs, les parties du corps,des locutions verbales avec le verbe avoir.

Socioculturels : Des locutions verbales, les loisirs préférés de français, le journal intime

Écriture : Decrivez votre ville « Paris», Decrivez votre loisirs préférés

Culture et Civilisation : Top 3 BD's en français, connaitre bien la France !

Les Activités : 1. Expose sur un evenement important en France

2. Raconter un souvenir marquant

PERIODIC – 2

Leçon- 6 Le passé reste das le passé.....

Leçon- 7 La maison de nos amours

Linguistiques : Le passé composé (avec les verbes pronominaux), la negation des verbes pronominaux au passé composé, les pièces de la maison, les meubles, les adverbes interrogatifs

Socioculturels :Le Journal intime, les types de logement

Écriture : L'Invitation

Culture et Civilisation : Les événement importants en France

Les Activités : 1. Faire une affiche sur un fête française

2. Presenter l'affitche dans la classe

ANNUAL

Leçon- 8 Ne fais pas ici, ne fais pas ça !

Leçon- 9 Alors on danse !

Leçon- 2 Vous avez l'heure s'il vous plaît ?

Leçon- 3 Echappatoire

Leçon- 6 Le passé reste dans le passé

Linguistiques : Des connecteurs logiques, les verbes pronominaux, les moments de la journée, les adverbes de fréquence, les articles indéfinis, les adjectifs possessifs, les verbes faire et jouer, la passé composé avec les verbes pronominaux, la negatif de l'imperatif, les verbes connaitre et savoir, les adjectifs interrogatifs

Socioculturels : La fête de la musique, le journal intime, l'heure, les loisirs préférés des français

Écriture : L'invitation, Qu'est-ce que c'est la France d'après-vous ?

Culture et Civilisation : Les fêtes français, les événement importante en France

Les Activités : 1. Jeu de role

2. Regarder la vidéo et répondez aux questions

ICT

PERIODIC – 1

No. of Periods

Chapter – 2 Introduction to Photoshop 2021 5

Activity1-Poster on Campus care network

Activity 2- Design a invite for school exhibition in Adobe Photoshop, add relevant images and then edit it accordingly to make the invite more attractive.

HALF YEARLY

Theory

Chapter – 1 Networking Concepts **(Repeated)** 1

Chapter – 4 Dynamic Web Pages in HTML5 5

Chapter – 5 Latest IT Trends 4

Chapter – 6 Cloud Computing 4

Activity 1- Design a page on “human Rights day”

Activity 2- Write a program in HTML and use statements to calculate the product of 2 numbers and display the result. Take the values as input from the user.

Activity 3 – Project on cloud computing

Practical

Chapter – 3 More on Photoshop 2021

Chapter – 4 Dynamic Web Pages in HTML5

PERIODIC -2

Chapter – 7 Control Structures in Python 5

Chapter – 8 Functions, String and list in Python 6

Activity 1- Write a program using While loop in Python to print the multiplication table 25.

Activity 2- Reverse the list given below using for loop list= [25, 35, 45, 55, 65, and 75]

ANNUAL

Theory

Chapter – 6 Cloud Computing **(Repeated)**

Chapter – 9Artificial Intelligence and its Domains

Chapter – 10 Fields of Artificial Intelligence

Chapter – 11 Introduction to SDGs and Data Science

Activity 1- Write a program to enter the age of a person and find out whether he is retired or not. The age of retirement is 60 years.

Activity 2- “AI’s role in defeating cheating in school’s exams”. Explain the statement.

Practical

Chapter – 7 Control Structures in Python

Chapter – 8 Functions, String and list in Python

ART

PRESCRIBED BOOK :

➤ ARTIST IN ME

APRIL

OBJECT BASED ART AND ACTIVITIES – STILL LIFE, WITH THE HELP OF PENCIL AND WATER COLOURS (PG 10 – 19)

MAY

FLOWER DRAWING, WITH PENCIL SHADING & STEP BY STEP (PG 21 – 23)

JULY

ENVIRONMENT BASED ART AND ACTIVITIES – LANDSCAPE WITH THE HELP OF PEN, PENCIL, POSTER & PASTEL COLOURS (PG 24 – 33)

AUGUST

LOTUS (KNIFE PAINTING), ANIMAL DRAWING (WITH THE HELP OF BRUSH AND INK), BIRD DRAWING ([PENCIL SHADING) (PG 34 – 41)

SEPTEMBER

PEOPLE BASED ART AND ACTIVITIES – FIGURE DRAWING, DAILY LIFE (PEN LINE), COMPOSITION (PG NO 43 – 51)

OCTOBER

PORTRAIT STUDY WITH THE HELP OF BRUSH AND INK, TRANSPARENT COLOUR AND GRAPHIC METHOD (PG 52 – 64)

NOVEMBER

TRADITION BASED ART AND ACTIVITIES – GURUPURAV, FESTIVAL ONAM, BIHU, HOW TO DRAW AND COLOUR (STORY BOARD), INDIAN TRADITIONAL CRAFTS (PG 65 – 72)

DECEMBER

EXPERIENCE BASED ART AND ACTIVITIES, TEXTURE STUDY, MAKING A MONOPRINT, REPETITION IN DESIGN (PG 73 – 76)

JANUARY

COLLAGE ART, BOOK COVER, CALLIGRAPHY (PG 77 – 82)

FEBRUARY

COMPLETION AND SUBMISSION OF FILE

GENERAL KNOWLEDGE

PRESCRIBED BOOK : KNOWLEDGE + FOR CLASS 8

APRIL

Theme : Starters

1. Starters
2. Famous Addresses
3. First and last
4. Spot the errors
5. Named after...
6. Fear words
7. QUIZ 1

CURRENT AFFAIRS

MAY

Theme : Fun and Sports

8. Painting and Sculpture
9. World of Sports
10. Western Classical Music
11. Cinema
12. Celebrating the Arts

CURRENT AFFAIRS

JULY

Theme : Language and Literature

13. Books and Authors
14. Epics

15. Colourful Language

16. Scripts

Theme : Potpourri

17. Aviation

18. Spaceflight

CURRENT AFFAIRS

AUGUST

19. Organisations That Care

20. Wars and Revolutions

21. Great Minds

22. QUIZ 2

CURRENT AFFAIRS

SEPTEMBER

Theme : India

23. The Southern States

24. The Central States

25. Where in India?

26. Revolutionaries

CURRENT AFFAIRS

OCTOBER

Theme : People and Places

27. North America

28. South America

29. People of The Americas

30. Countries, Capitals and More

31. National Symbols

32. Lost Cities

33. World Heritage Sites

34. QUIZ 3

CURRENT AFFAIRS

NOVEMBER

Theme : The Natural World

35. Natural Monuments

36. Fish and Frogs

37. Snails, Starfish and others

- 38. Fungi and Microbes
- 39. The Art of Living
- 40. QUIZ 4
- CURRENT AFFAIRS

DECEMBER

Theme : Science and Technology

- 41. Earth Matters
- 42. How ? Why ? What ?
- 43. The Cell's code
- 44. Do plants Need Soil?
- 45. Tech Matters
- CURRENT AFFAIRS

JANUARY

Theme : This and That

- 46. Mysteries Solved and Unsolved
- 47. Disambiguation
- 48. That Time in History
- 49. Quiz 5
- CURRENT AFFAIRS

GCC

PRESCRIBED BOOK :

APRIL

UNIT 1- Social Entrepreneurship

TASK 1 -Famous Bhartiya Entrepreneurs

TASK 2- Ready, Set, Design

TASK 3 -Where do I stand in the market

UNIT 2- The Irony of Population: Opportunities and Challenges

TASK 1 -Read And Reflect

MAY

UNIT 2- The Irony of Population: Opportunities and Challenges

TASK 2 -Are we all Same

TASK 3 -Every Individual Matters

JULY

UNIT 3- Population Pyramids and Introduction to Basic Demography

TASK 1- 200 Countries, 200 Hundred Years, 4 Minutes

TASK 2- Every Person Counts

TASK 3 -Humans- Realistically Futuristic

AUGUST

UNIT 4 Environmental Interactions and Comparisons of Various Species

TASK 1 Watch Analyze and Reflect!

TASK 2 Sail Safe

TASK 3 Wild Life Sanctuaris in Bharat

SEPTEMBER

UNIT 5 Scavenger Hunt: Introduction to Immigration and Migration

TASK 1 Bharat: Then & Now

TASK 2 What's New

TASK 3 The Rendezvous

OCTOBER

UNIT 5 Scavenger Hunt: Introduction to Immigration and Migration

TASK 4 It's My Family

TASK 5 Let us Travel to New York City

UNIT 6 Migration and International Development: Reasons for the Effect of Migration

TASK 1 Mera Bharat Mahan!

NOVEMBER

UNIT 6 Migration and International Development: Reasons for the Effect of Migration

TASK 2 It's Good to be Secular

TASK 3 Before and After

TASK 4 Diversity At Micro Level Too

DECEMBER

UNIT 6 -Migration and International Development: Reasons for the Effect of Migration

TASK 5- Why Migration

UNIT 7 -Modern Population: Case Study of China and India

TASK 1- Mock Summit

EAT RIGHT ACTIVITY

Together We Learn

SAFETY OF CHILDREN

APRIL + MAY

UNIT 1 MY BODY RIGHTS

JULY

UNIT 2 HEALTHY BODY IMAGE AND SELF-ESTEEM

AUGUST

UNIT 3 MANAGING TEST ANXIETY

SEPTEMBER

UNIT 4 DEALING WITH PEER PRESSURE

OCTOBER

UNIT 5 POWER OF POSITIVE EMOTIONS

NOVEMBER

UNIT 6 BEING SAFE ONLINE

DECEMBER

UNIT 7 INTRODUCTION TO BULLYING

JANUARY = FEBRUARY

UNIT 8 SAFEGUARDING AGAINST CYBERBULLYING

ATL

Sr.No.	DIY Kit / Platform used	Activity / Project Name	Activity/Project Details or Coverage	Inter-Disciplinary Learning Outcome around STEM
1	STEM/ Robotics Introduction	STEM/ Robotics Introduction	<ul style="list-style-type: none"> •What is STEM Education? •What is Robotics? • What can robots do? • What can't robots do? • How are robots useful? • How robots are different from machine? 	<ul style="list-style-type: none"> •To understand how technology will impact the workforce.
2	Arduino	controller Introduction	<ul style="list-style-type: none"> •Introduction to controller and basics of electronic components 	<ul style="list-style-type: none"> • Electronics basics. • What is sensor. • What is controller and how to use it • Brainstoring on Design & Construction
3	Arduino	Glow an LED	<ul style="list-style-type: none"> •Introduction to LEDs •How to Connect LEDs •LED glowing circuit on controller 	<ul style="list-style-type: none"> • Introduction to Circuit Designing • Build a Circuit • Coding Skills
4	Arduino	Diwali Lights	<ul style="list-style-type: none"> •Controlling multiple LEDs in different pattern 	<ul style="list-style-type: none"> • Analysing the colors and patterns • Coding Skills
5	Arduino	Switching On/Off LED Using Push Button	<ul style="list-style-type: none"> •What is Push Button •How to interface a Push Button with the controller •Controlling an LED using a Push Button 	<ul style="list-style-type: none"> • Idea Generation • Coding Skills
6	Arduino	RGB Disco Light	<ul style="list-style-type: none"> •Introduction to RGB LED and its circuit on breadboard •How RGB LED is different from simple LED 	<ul style="list-style-type: none"> • Idea Generation • Coding Skills

7	Arduino	Intruder Alarm	<ul style="list-style-type: none"> •Introduction to IR Sensor •Introduction to Buzzer •IR Sensor controlled Buzzer activity 	<ul style="list-style-type: none"> • Solve Real World Problems • Decision Making • Coding Skills
8	Arduino	Seven Segment Display	<ul style="list-style-type: none"> •Introduction to Seven Segment Display and its circuit •What are the real time applications of seven segment display? • Difference between Common Cathode and Common Anode 	<ul style="list-style-type: none"> • Idea Generation • Coding Skills
9	Arduino	Servo Motor Control	<ul style="list-style-type: none"> •What is a Servo Motor •How does a Servo Motor works •How to control a Servo & move it to a particular angel using controller 	<ul style="list-style-type: none"> • Idea Generation • Coding Skills
10	Arduino	Automatic Street Light	<ul style="list-style-type: none"> •Introduction to LDR Sensor •How we can control electronic devices using LDR sensor 	<ul style="list-style-type: none"> • Decision Making • Ability to identify and solve complex problems • Coding Skills
11	Arduino	Color Sorter (Black and White)	<ul style="list-style-type: none"> •How to differentiate between colors using an IR Sensor •How to sort materials using an IR sensor and moving items using servo motor 	<ul style="list-style-type: none"> • Analysing the colors and patterns • Understand STA (Sense - Think - Act) Concept • Coding Skills
12	Arduino	LED Brightness Control	<ul style="list-style-type: none"> •Concept of PWM pins and their working •Changing the colour and brightness of the LED or RGB 	<ul style="list-style-type: none"> • Analysing the colors and patterns • Coding Skills
13				
14	Pick & Place Robot	Bluetooth controlled Movement	<p>Programming Arduino to move forward, backward, left and right. Controlling tank using mobile phone.</p>	<ul style="list-style-type: none"> • Arduino Programming. • Moving DC motors. • Problem solving and project skills.

15	Pick & Place Robot	ARM movement	Prrogramming arm to move in 2 direction of freedom, UP, down and left and right. Controlling tank using mobile phone.	<ul style="list-style-type: none"> • Arduino Programming. • Moving DC motors. • Problem solving and project skills.
16	Pick & Place Robot	Open and close claw	Program claw to open and close. Controlling tank using mobile phone.	<ul style="list-style-type: none"> • Arduino Programming. • Moving DC motors. • Problem solving and project skills.
17	Pick & Place Robot	Final code compilation	Combine all codes and conditions together to form pick and place robot.	<ul style="list-style-type: none"> • Arduino Programming. • Moving DC motors. • Problem solving and project skills.
18	3D designing	Introduction of 3D Designing	<ul style="list-style-type: none"> • Difference between 2D and 3D shapes. Understanding about workplane, viewcube, solid and hollow shapes.	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
19	3D designing	TinkerCad: Different features and their uses	<ul style="list-style-type: none"> • Learning about how to change sides of a shape, bevel, rounded, group, ungroup and alignment of shapes. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
20	3D designing	Ludo Dice	<ul style="list-style-type: none"> • How to work on multiple planes. Adding and removing work planes. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
21	3D designing	How to make Hollow/ Shell Objects?	<ul style="list-style-type: none"> • Make a pen stand or box with lid to understand how to make cavity inside boxes. • Grouping and alignment of shapes. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of

				Geometry.
22	3D designing	How to make Monument?	<ul style="list-style-type: none"> • Designing Leaning tower of pisa structure. • How to make windows, pillars and gates. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
23	3D designing	Creating a House	<ul style="list-style-type: none"> • Make your own home structure. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
24	3D designing	How to turn 2D Object into 3D Object?	<ul style="list-style-type: none"> • Learning the process to make 2D shapes into 3D shapes... 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
25	3D designing	How to bevel and round edges?	<ul style="list-style-type: none"> • How we can change shapes by changing the round and edges measure. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
26	3D designing	How to use scribble Tool?	<ul style="list-style-type: none"> • Drawing 3D shapes free handed and adding into final model like handle of cup. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
27				
28				
29				
30	Exhibition			

MUSIC (VOCAL)

APRIL

- 1.School Song
 - 2.Hindi Prayer (Ek Tu Hi Bharosa)
 - 3.Baisakhi Celebration
- Inter – School Competition

MAY

- 1.Mother’s Day Celebration
- 2.Hindi Prayer (Aalokit Path Karo)
- 3.Motivational Song

JULY

- 1.Alankaar 1 to 6
 - 2.Environmental Song
 - 3.Guru Purnima Celebration
- Zonal & Inter – School Competition

AUGUST

- 1.Independence Day Celebration
- 2.Raksha Bandhan Celebration
- 3.Janmashtami Celebration

SEPTEMBER

- 1.Hindi Prayer (He Prabhu Hum Par)
 - 2.Ganesh Chaturthi Celebration
 - 3.National Song (Vande Matram 1 & 2)
- Half Yearly Examination

OCTOBER

- 1.Gandhi JanyantiCelebration

2.National Song (3 & 4)

3.Dussehra Celebration

NOVEMBER

1.Diwali Celebration

2.Children's Day Celebration

3.Guru Nanak Jayanti Celebration

DECEMBER

1.Christmas Celebration

2.Alankaar (5 to 8)

JANUARY

1.Republic Day Celebration

2.Sargam Geet (Raag Yaman)

3.Lohri Celebration

FEBRUARY

1.Shivratri Celebration

2.Basant Panchami Celebration

3.Annual Assessment

MUSIC (INSTRUMENTAL)

APRIL

Revision of previous lessons.

'Teentaal Theka' (16 beats) saying it with hand clapping and also learn to play with proper fingering in single & double speed.

MAY

'Rupak Theka' (7 beats), saying it with hand clapping and also learn to play with proper fingering.

JULY

Practice of 'Teentaal Theka' in 'Madhya Laya' with metronome.

Understanding of 3 main different speed of Music.

AUGUST

Revision of all previous tasks.

Playing different rhythm patterns of 8 beats on Djembe.

SEPTEMBER

Revision of all previous tasks.

Half yearly assessment will be done on the basis of that.

OCTOBER

Playing 7 beats rhythm pattern in Djembe.

Definition of various advanced terms in Tabla.

NOVEMBER

Different rhythm patterns in 8 beats on Djembe.

Learn to play 7 beats on Congo..

DECEMBER

Basic 'Theke' of 'Keherwa'(8 beats)to the Tabla students.

Different rhythm patterns of 8 beats on Congo.

JANUARY

Different rhythm patterns of 6, 7 and 8 beats on Djembe.

Different rhythm patterns of 6, 7 and 8 beats on Congo.

Different rhythm patterns of 'Dadra' (6 beats) and 'Rupak' (7 beats) on Tabla.

FEBRUARY

Revision of previous tasks and annual assessment

DANCE

APRIL – MAY

INTRODUCTION OF SHIOKA OF KATHAK DANCE

THAT, AMAD, PARAN AMAD

TAAL JHAPTAAL PRACTICE

SHLOKA OF HAST MUDRAS

JULY – AUGUST

TIHAI, TUKDA , TODA

JHAPTAL TATKAK

JHAPTAAL TIHAI

PRACTICE OF DRISHTI BHEDAS

OCTOBER – NOVEMBER

PRACTICE OF GRIVA BHEDAS

PADHANT OF TAAL JHAPTAAL

PRACTICE OF HASTAK

LAY BHAAT

DECEMBER – JANUARY

FOLK DANCE

BASIC KNOWLEDGE

BASIC STEPS

PRACTICE WITH MUSIC

FEBRUARY

SARASWATI VANDANA

PHYSICAL EDUCATION

BADMINTON

APRIL :- PHYSICAL EXERCISE, BASIC RULES AND REGULATIONS OF BADMINTON

MAY :- PHYSICAL EXERCISE, GRIPPING OF RACKET AND FOREHAND SHOT, HOW TO SERVE

JULY :- PHYSICAL EXERCISE, BACK HAND SHOT AS WELL AS FOREHAND SHOT WITH TOSS

AUGUST :- FOREHAND TOSS, BACK HAND SHOT WITH DROP SHOT

SEPTEMBER :- FOOT WORK WITH ALL STROKES I.E. FOREHAND, BACK HAND, LIFTING THE SHUTTLE

OCTOBER :- PHYSICAL EXERCISE, WITH ONE ON ONE PLAY WITH PROPER SERVICING STROKES

NOVEMBER :- KNOCKOUT MATCHES WITHIN CLASSES WITH ALL STROKES

DECEMBER :- PROPER SMASH, HOW TO LIFT THE SMASH

JANUARY :- MATCHES BETWEEN THE STUDENTS WITH A PROPER RULES AND REGULATION

CRICKET

APRIL: PHYSICAL EXERCISE , STILL HEAD POSITION

MAY: PROPER DEFENCE

JULY: SHADOW PRACTISE,FORWARD DEFENSE

AUGUST: BACKFOOT DEFENSE,SHADOW BACKFOOT

SEPTEMBER: STRAIGHT DRIVE- RUNNING B/W THE WICKET

OCTOBER: COVER DRIVE- CATCHING PRACTICES

NOVEMBER: ON DRIVE - FIELDING PRACTICE

DECEMBER: STRATEGY OF MATCH WITH ALL TYPES OF SHOTS AND DEFENSE

JANUARY: PLAYING PROPER MATCHES WITH RULES

ARCHERY

APRIL :- PHYSICAL EXERCISE, BASIC RULES AND REGULATIONS OF ARCHERY

MAY :- NINE STEPS TO THE ARCHERY

1.STANCE.

2.NOCK THE ARROW.

3.SET YOUR GRIP.

4.PREDRAW YOUR BOW.

5.DRAW YOUR BOW.

6.ANCHOR.

7.AIM.

8.RELEASE.

9.FOLLOWTHROUGH

JULY :- PHYSICAL EXERCISE, STANCE, NOCKING, SET-UP, PREDRAW, DRAW, ANCHOR, AIM, RELEASE, AND FOLLOWTHROUGH.

AUGUST :- BOW DROW AND SHOOTING 10 MITER

SEPTEMBER :- PHYSICAL EXERCISE AND DISTANCE PRACTICE

OCTOBER :- PHYSICAL EXERCISE, AND TURNAMENT PRACTICE

NOVEMBER :- DISTANCE AND TURNAMENT PRACTICE AND PHYSICAL EXERCISE

DECEMBER :- DISTANCE AND TURNAMENT PRACTICE AND PHYSICAL EXERCISE

JANUARY :- DISTANCE AND TURNAMENT PRACTICE AND PHYSICAL EXERCISE

COUNSELLING

Month	Topic/ class talks. shall be aided with audio visual clips).	
Apr	*Exam stress and anxiety management .*,Behavioural issues in adolescents and how to deal with.	.Emotional regulation .self regulation .Better mental health
May	Believe in yourself (self esteem checklist.) <ul style="list-style-type: none">• Power of positive self talk.	. Self believe and social skills. Awareness Mindfulness.
June	* Resilience building * self efficacy.	Better peer connection, personality development.
July	Following instructions (mentors/ parents). *Empathy building.	A better citizen , kindness and support.
Aug	*Ego vs real self * Time management	Emotional regulation and habit formation.
Sep	*Tiny changes leads to remarkable results. *Anti bullying.	Social skills and leadership.Responsibility.
Oct	*Emotional Regulation <ul style="list-style-type: none">• Stress management	Self efficacy, getting rid of negative emotions.
Nov	*tough times never last ..tough people do. *Team work and leadership.	Sincerity and punctuality. Better relationship.

Dec	Code of conduct(not to use abusive language. *Discipline is destiny.	.Goal and vision setting Confidence.
Jan	*Personality development. *Gender equality and respect.	Understanding people and opinion ,healthy disagreement.
Feb	Gratitude letter. .Gender equality and respect.	A better version of oneself compassion intelligence.

VISION 21st Century

Redefining The Future

*Together building a community of
"Future Ready Global Citizens"*

21ST CENTURY SKILLS :

A framework for success in life

COGNITIVE DEVELOPMENT :

The science of knowing and the art learning

EXCELLENCE IN ALL WE DO, AND ALL WE ARE :

Opening up a world of opportunity

GLOBAL CITIZENSHIP :

Together for a sustainable future



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