

SYLLABUS

Session - 2024-25

Class - VII

S. No.	Subject	Page No.
1.	English	2
2.	Hindi	10
3.	Punjabi	19
4.	Maths	28
5.	Science	35
6.	S.St.	44
7.	GK/M.Sc.	52
8.	Computer	54
9.	Art & Craft	59
10.	Music / Dance	62
11.	Physical Education	64

TENTATIVE ASSESSMENT SCHEDULE FOR UNIT TESTS

SR. NO.	ASSESSMENT	MARKS	MONTH	SYLLABUS
1	UNIT TEST - 1	20	MAY	UNIT: 1
2	UNIT TEST - 2	20	JULY -AUGUST	UNITS: 2 &3
3	UNIT TEST - 3	20	DECEMBER	UNITS: 6 &7
4	UNIT TEST - 4	20	FEBRUARY	UNITS: 8 &9

TENTATIVE ASSESSMENT SCHEDULE FOR TERMINAL/ANNUAL EXAMS:

TERMINAL – SEPTEMBER (UNITS 1-5)

ANNUAL EXAMS – MARCH (UNITS 1-10)

SR. NO.	SUBJECT	MARKS
1	ENGLISH	80
2	HINDI	80
3	PUNJABI	80
4	MATHS	80
5	SCIENCE	80
6	SOCIAL SCIENCE	80
7	GK / M.SC	40
8	COMPUTER	30
9	ART	25

Subject : English

Books Prescribed:

- | | |
|------------------|------------------------|
| 1. Honeycomb | NCERT |
| 2. An Alien Hand | NCERT |
| 3. BBC Compacta | Brajindra Book Company |

RATIONALE:

English language plays an essential role in our lives as it helps in communication. It is the main language for studying any subject all over the world. English is important for students as it broadens their minds, develops emotional skills, improve the quality of life by providing job opportunities. Moreover, the use of English as an International language is growing with time because it is the only medium for communication in many countries. English is also used widely in the literature and media section to publish books. Most of the writers write in the English language due to the vast majority of readers know only the English language and they can describe their ideas best in the English language.

GENERAL OBJECTIVES OF TEACHING ENGLISH-

Objectives of the course are to enable learners to:

- build greater confidence and proficiency in oral and written communication.
- develop the ability and knowledge required in order to engage in independent reflection and inquiry.
- make appropriate usage of English language.
- communicate in various social settings.
- equip learners with essential language skills to question and to articulate their point of view.

- build competence in the different aspects of the Language
- develop sensitivity to, and appreciation of world literature representing varieties of English and cultures embedded in it.
- enable the learner to access knowledge and information through reference skills (consulting a dictionary / thesaurus, library, internet, etc.)
- develop curiosity and creativity through extensive reading.
- facilitate self-learning to enable them to become independent learners.

ASSESSMENT FOR UNIT TESTS -20marks

Section-A(Reading) 4marks

An unseen passage or a poem with short answer type questions.

Section-B (Writing+Grammar) 4+4marks

Section - C (Literature) 8marks

One text based extract with two short questions. (2)

Two short answer type questions from Honeycomb (2)

Two short answer type questions from An Alien hand (2)

One long question from either book (2)

ASSESSMENT FOR TERMINAL/ANNUAL EXAMINATION - 80 marks.

Section-A(Reading) 20 marks

This section will have one unseen passage and one unseen poem.(10+10)

Section-B (Writing+Grammar) 15+15=30 marks

Writing:

1. Formal/Informal letter (5)

2. Speech/Short story (6)

3. Notice/Diaryentry/Factual description (4)

Grammar: Tenses/ Reported Speech/ Voice/Subject Verb Agreement/ Modals/Determiners (15)

Section-C (Literature)

30marks

- Extract from Honeycomb with reference to the context (4)
- Five short questions of 30-40 words each from Honeycomb and An Alien Hand (5×2=10)
- Two long questions of 50-60 words from Honeycomb (2×4=8)
- Two long questions of 50-60 words from An Alien Hand (2×4= 8)

TERM-I

Unit – 1 (April & May)

Honeycomb

Lesson-1 : Three Questions

Poem : The Squirrel

Literary tools- Alliteration and Personification

An Alien Hand

Chapter-1 : The Tiny Teacher

Grammar : Tenses (Present Tense)

Composition : Notice Writing

Targeted Skills: Problem-solving, decision making, collaboration

Activity : Synonyms(From BBC)

(21st century skills- Communication)

UNIT–2 (May)

Honeycomb

Lesson-2 : A Gift of Chappals

Poem : The Rebel

Literary tools-Alliteration, Repetition, Epiphora

An Alien Hand

- Chapter-2 : Bringing up Kari
Grammar : Tenses (Past & Future tenses)
Composition : Formal letter writing (to the Editor)
Targeted Skills: Problem-solving, Collaboration
Activity : Comprehension passage (From BBC)
(21st century skills- Inference & Understanding)

UNIT–3 (July)

Honeycomb

- Lesson-3 : Gopal and the Hilsa Fish
Poem : The Shed
Literary tools: Alliteration, Repetition, Imagery

An Alien Hand

- Chapter-3 : Golu Grows a Nose
Grammar : Voice (Present tense)
Composition : Formal letter writing (to the Principal)
Targeted Skills: Problem-solving, Creativity
Activity : Antonyms(From BBC)
(21st century skills- Communication)

UNIT–4 (July & August)

Honeycomb

- Lesson-4 : The Ashes that Made Trees Bloom
Poem : Chivvy

Literary tools-Alliteration, Anaphora, Enjambment

An Alien Hand

Chapter-4 : Chandni

Grammar : Voice

Composition : Diary Entry

Targeted Skills: Critical thinking, Problem-solving, Social skills

Activity : Comprehension passage (From BBC)

(21st century skills- Critical thinking & Analytical)

UNIT–5 (August)

Honeycomb

Lesson-5 : Quality

Poem : Trees

Literary tools: Alliteration, Anaphora, Repetition

An Alien Hand

Chapter-5 : The Bear Story

Grammar : Subject Verb Agreement

Composition : Short Story

Targeted Skills: Creativity, Productivity and Social skills

Activity : Homophones (from BBC)

(21st century skills- Information Literacy)

TERM-2

UNIT–6 (October)

Honeycomb

Lesson-6 : Expert Detectives

Poem : Mystery of the Talking Fan
Literary tools: Personification, Simile, Metaphor

An Alien Hand

Chapter-6 : A Tiger In The House
Grammar : Reported Speech
Composition : Informal Letter
Targeted Skills: Critical thinking, Problem –solving, Collaboration
Activity : Spellings (From BBC)
(21st century skills-Reading & Writing)

UNIT–7 (November)

Honeycomb

Lesson-7 : The Invention of Vita Wonk
Poem : Dad and the Cat and the Tree
Literary tools: Alliteration, Simile, Anaphora

An Alien Hand

Chapter-7 : An Alien Hand
Grammar : Reported Speech
Composition : Speech writing
Targeted Skills: Innovation, Creativity and Collaboration
Activity : Comprehension Passage (From BBC)
(21st century skills- Information literacy)

UNIT–8 (December)

Honeycomb

Lesson-8 : A Homage To Our Brave Soldiers
Grammar : Modals

Composition : Diary Entry
Targeted Skills: Social and Self-direction
Activity : Sentence Reordering (From BBC)
(21st century skills- Cognitive)

UNIT–9 (January)

Honeycomb

Poem : Meadow Surprises
Literary tools : Alliteration, Metaphor

Grammar : Modals

Composition : Formal letter (to the Principal/Editor)

Targeted Skills: Creativity

Activity : Comprehension passage (From BBC)
(21st century skills- Information literacy)

UNIT–10 (February)

Honeycomb

Poem : Garden Snake
Literary tools: Alliteration, Personification

Grammar : Determiners

Composition : Descriptive Paragraph

Targeted Skills: Communication

Activity : Editing(Error correction, Omissions)
(21st century skills- Cognitive)

विषय - हिंदी

निर्धारित पुस्तकें

वसंत - NCERT

व्याकरण - रजनी (रोहन बुक कंपनी)

बिखरे फूल - सहायक पुस्तक

भाषा - शिक्षण के सामान्य उद्देश्य

- भाषिक तत्त्वों, साहित्यिक विधाओं (कविता, निबंध, एकांकी, जीवनी) तथा विषय-वस्तु का ज्ञान प्राप्त करना।
- भाषिक कौशलों (बोलना, सुनना, लिखना और पढ़ना) का विकास करना।
- विद्यार्थियों में अपने विचारों और भावनाओं की रचनात्मक क्षमता का विकास करना।
- भाषिक तत्त्वों (वर्ण विचार, शब्द विचार, वाक्य विचार) का ज्ञान।
- शुद्ध उच्चारण और शुद्ध लेखन वृत्ति का विकास करना।
- लेख और कविता सुनकर प्रश्नों के उत्तर देने की क्षमता का विकास करना।
- साहित्य के अध्ययन के माध्यम से सद्वृत्तियों का विकास करना।

ASSESSMENT FOR UNIT TESTS

20 Marks

अंक विभाजन

(1)	अपठित गद्यांश	1×3=3
(2)	वसंत (प्रश्न उत्तर)	2×3=6
(3)	बिखरे फूल	1½+1½=3
(4)	व्याकरण	4
(5)	(पत्र/अनुच्छेद)	4

ASSESSMENT FOR TERMINAL/ANNUAL EXAMINATION**80 Marks**

अंक विभाजन - 80

प्रश्न पत्र चार खंडों में विभाजित है। (क, ख, ग, घ)

खण्ड 'क'

(1) अपठित गद्यांश 10

खण्ड 'ख'

22 Marks

(1) व्याकरण

खण्ड 'ग'

28 Marks

(1) वसंत (प्रश्न/उत्तर) 12

(2) कविता भाग 6

(3) प्रश्न उत्तर (बिखरे फूल) 6

(4) खाली स्थान (बिखरे फूल) 4

खण्ड 'घ' (लेखन)

20 Marks

(1) अनुच्छेद 5 Marks

(2) पत्र 5 Marks

(3) सूचना लेखन 5 Marks

(4) विज्ञापन लेखन 5 Marks

TERM - 1

UNIT -1 (April & May)

वसंत - पाठ 1 - हम पंछी उन्मुक्त गगन के (कविता)

वसंत - पाठ 2 - हिमालय की बेटियाँ (निबंध)

क्रिया कलाप - 1 - पाठ में आई नदियों के नाम लिखें।

बिखरे फूल - पाठ 1 - छः आने का टिकट

व्याकरण - क्रिया व भेद (अकर्मक, सकर्मक, प्रेरणार्थक), शब्द एवं वाक्य - संशोधन

(Page -137, 138)

औपचारिक पत्र

लक्षित कौशल

- श्रवण वाचन शक्ति का विकास
- शब्द भंडार में वृद्धि
- कल्पना शक्ति का विकास
- उच्चारण की शुद्धता

गतिविधि: -

- हिमालय की बेटियाँ पाठ में आई नदियों के नाम लिखें।

(इक्कीसवीं सदी के शिक्षण कौशल - समस्या निवारण, सीखना और नवाचार)

UNIT -2 (May)

वसंत - पाठ 3 - कठपुतली (कविता)

बिखरे फूल - पाठ 2 - सफेद भालू

बिखरे फूल पाठ 3 - अकबरी लोटा

व्याकरण - पर्यायवाची शब्द (अग्नि, अमृत, गंगा, गौ, पर्वत, अंधकार, कुसुम, तालाब, ईश्वर, आँख, आकाश, कमल, पुत्र, अश्व, सिंह, सूर्य, पवन, नदी, पक्षी, लक्ष्मी, इच्छा, दिन, रात, पत्थर, समुद्र)

अनुच्छेद - पर्यावरण से संबंधित अनुच्छेद

लक्षित कौशल

- श्रवण वाचन शक्ति का विकास
- उच्चारण की शुद्धता

UNIT -3 (July)

वसंत - पाठ 4 - मिठाईवाला (कहानी)

वसंत - पाठ 5 - पापा खो गए (नाटक)

बिखरे फूल - पाठ - 4 पंच परमेश्वर

व्याकरण - विराम चिह्न (पूर्ण, अल्प, प्रश्नसूचक, विस्मयसूचक, त्रुटिपूरक चिह्न)

अनौपचारिक पत्र

लक्षित कौशल

- श्रवण वाचन शक्ति का विकास
- शब्द भंडार में वृद्धि

गतिविधि: -

- आपातकालीन स्थिति में प्रयोग आने वाले दूरभाष के नंबरों की सूची बनाएँ।

(इक्कीसवीं सदी के शिक्षण कौशल - समस्या निवारण, आत्मनिर्भरता और नवाचार)

UNIT -4 (July & August)

वसंत - पाठ 6 - शाम - एक किसान (कविता)

बिखरे फूल : पाठ 5 दहकती आँखें

बिखरे फूल - पाठ 6 - काबुलीवाला

व्याकरण - मुहावरे (अर्थ और वाक्य) (1-25) (Page- 153, 154)

अनुच्छेद - नैतिक मूल्यों से संबंधित

लक्षित कौशल

- उच्चारण की शुद्धता
- कल्पना शक्ति का विकास
- श्रवण, वाचन शक्ति का विकास

UNIT -5 (August)

वसंत पाठ 7 - अपूर्व अनुभव (संस्मरण)

बिखरे फूल - पाठ 7 - सोने की नदी

व्याकरण - अलंकार (अनुप्रास, यमक) उदाहरण सहित परिभाषा

सूचना लेखन, विज्ञापन लेखन

लक्षित कौशल

- तार्किक क्षमता का विकास
- शब्द भंडार में वृद्धि
- उच्चारण की शुद्धता

TERM -2

UNIT -6 (October)

वसंत - पाठ 8 - रहीम के दोहे (कविता)

वसंत - पाठ - 9 एक तिनका (कविता)

बिखरे फूल - पाठ 8 विद्रोही

व्याकरण - अनेक शब्दों के लिए एक शब्द (1-20) (Page-40)

औपचारिक पत्र

लक्षित कौशल

- तार्किक क्षमता का विकास
- शब्द भंडार में वृद्धि
- उच्चारण की शुद्धता

गतिविधि:

रहीम जी द्वारा रचित वह दोहा लिखें, जिसमें परोपकार की बात कही गई है।
(इक्कीसवीं सदी के शिक्षण कौशल - रचनात्मकता, चिंतनशील सोच)

UNIT -7 (November)

वसंत - पाठ 10 - खानपान की बदलती तस्वीर (निबंध)

बिखरे फूल - पाठ 9 - हैदरअली की डायरी

व्याकरण - उपसर्ग (पूर्ण) (Page 47, 48, 49)

अनुच्छेद - सामाजिक समस्या पर आधारित

लक्षित कौशल

- तार्किक क्षमता का विकास
- भाषाई दक्षता
- शब्द भंडार में वृद्धि

गतिविधि:

‘जंक फूड’ से होने वाले नुकसान लिखें।

(इक्कीसवीं सदी के शिक्षण कौशल - सामाजिक विकास, चिंतनशील सोच)

UNIT -8 (December)

वसंत - पाठ 11 - नीलकंठ

वसंत पाठ 12 - भोर और बरखा

बिखरे फूल - पाठ - 10 अलबम

व्याकरण - कारक - (कर्ता, कर्म, करण, संप्रदान)

वाक्य - संशोधन (Page 139, 140)

अनौपचारिक पत्र

लक्षित कौशल

- शब्द भंडार में वृद्धि
- भाषाई दक्षता

गतिविधि:

राष्ट्रीय पक्षी ‘मोर’ का चित्र बनाकर उसके विषय में 50 शब्द लिखें।

(इक्कीसवीं सदी के शिक्षण कौशल - प्राकृतिक प्रेम का विकास, संवेदनशीलता का विकास)

UNIT -9 (January)

वसंत - पाठ - 13 वीर कुँवर सिंह

बिखरे फूल - पाठ 11 - सलीम

बिखरे फूल - पाठ 12 - जैसलमेर की राजकुमारी

व्याकरण - लोकोक्तियों के केवल अर्थ (1-20) (Page- 156, 157)

अनुच्छेद - त्योहारों से संबंधित

लक्षित कौशल

- उच्चारण की शुद्धता
- श्रवण वाचन शक्ति का विकास
- शब्द भंडार के अनुप्रयोग की प्रेरणा

UNIT -10 (February)

वसंत पाठ 14 - संघर्ष के कारण मैं तुनुकमिज़ाज हो गया: धनराज

वसंत - पाठ 15 - आश्रम का अनुमानित व्यय

बिखरे फूल - पाठ - 13 - ताड़ का पत्ता

व्याकरण - प्रत्यय (अक, आक, एरा, नी, ना, आ, आई, आवट, आवा, कर, आरी, कार, आर, वाला, हारा, वान, ता, त्व, पन, इक, ईला, वती, री, हरा, आनी, आइन, इया, मंद, मय, गर, ई)

संधि की परिभाषा - (स्वर, व्यंजन, विसर्ग)

सूचना लेखन, विज्ञापन लेखन

लक्षित कौशल

- शब्द भण्डार में वृद्धि
- श्रवण वाचन शक्ति का विकास

गतिविधि:

हॉकी को भारत का राष्ट्रीय खेल क्यों माना जाता है?

(इक्कीसवीं सदी के शिक्षण कौशल-प्रतियोगिता की भावना का विकास, तार्किक शक्ति का विकास)

महात्मा गाँधी जी के द्वारा दी गई पाँच शिक्षाएँ लिखें।

(इक्कीसवीं सदी के शिक्षण कौशल-सामाजिक कौशल, निपुणता, समस्या समाधान, आत्मनिर्भरता तथा नवाचार का विकास)

ਪੰਜਾਬੀ

ਨਿਰਧਾਰਿਤ ਕਿਤਾਬਾਂ

ਪੰਜਾਬੀ ਪੁਸਤਕ (ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ)

ਸ਼ਿਵਾਲਿਕ ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਤੇ ਰਚਨਾਵਲੀ (ਸ਼ਿਵਾਲਿਕ ਪਬਲਿਕ ਸਕੂਲ, ਚੰਡੀਗੜ੍ਹ)

ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸਿੱਖਣ ਉਦੇਸ਼-

ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਗਿਆਨ ਨੂੰ ਸਮਝ ਕੇ ਉਸਦੀ ਢੁਕਵੀ ਵਰਤੋਂ ਦੇ ਯੋਗ ਬਨਾਉਣਾ ਤੇ ਸਾਹਿਤ ਦੀਆਂ ਵੱਖ-ਵੱਖ ਵਿਧਾਵਾਂ-ਕਵਿਤਾ ਕਹਾਣੀ, ਇਕਾਂਗੀ ਆਦਿ ਤੋਂ ਜਾਣੂੰ ਕਰਵਾਉਣਾ ਤਾਂ ਕਿ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੇ ਵੱਖ-ਵੱਖ ਕੌਸ਼ਲਾਂ ਵਿੱਚ ਨਿਪੁੰਨ ਹੋ ਕੇ ਆਪਣੀ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ ਕਰ ਸਕਣ। ਭਾਸ਼ਾ ਦਾ ਮੂਲ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਸਾਹਿਤਕ ਵਿਰਸੇ ਨਾਲ ਜੋੜਨਾ ਹੈ।

ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਛਿਪੀ ਹੋਈ ਪ੍ਰਤਿਭਾ ਨੂੰ ਬਾਹਰ ਲਿਆਉਣ ਲਈ ਬੋਰਡ ਵਲੋਂ ਸਾਲਾਨਾ ਪ੍ਰੀਖਿਆ ਦੀ ਨਾਲ-ਨਾਲ ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ ਲਈ 20 ਅੰਕ ਰਾਖਵੇਂ ਰੱਖੇ ਗਏ ਹਨ (ਜਿਸਦੇ ਤਹਿਤ)

ਆਂਤਰਿਕ ਮੁਲਾਂਕਣ (ਅੰਕ-ਵੰਡ)

10 ਅੰਕ ਲਿਖਤੀ ਪ੍ਰੀਖਿਆ (ਜਮਾਤ ਟੈਸਟ)

5 ਅੰਕ ਪ੍ਰੋਜੈਕਟ, ਜਮਾਤ ਅਤੇ ਘਰ ਦਾ ਕੰਮ

5 ਅੰਕ ASL (ਸਿਰਫ਼ ਸੁਣਨ, ਬੋਲਣ ਤੇ ਸਮਝਣ ਉੱਤੇ ਅਧਾਰਿਤ) ਇਹਨਾਂ ਗਤੀਵਿਧੀਆਂ ਦਾ ਮੁਲਾਂਕਣ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਅਧਿਆਪਕ ਤੇ ਸਕੂਲ ਪ੍ਰਿੰਸੀਪਲ ਵੱਲੋਂ ਨਿਰਧਾਰਿਤ ਅਧਿਆਪਕ ਦੀ ਨਿਗਰਾਨੀ ਵਿੱਚ ਪੜ੍ਹਨ, ਲਿਖਣ ਅਤੇ ਬੋਲਣ ਕੌਸ਼ਲ ਦੇ ਅਨੁਸਾਰ ਕੀਤਾ ਜਾਵੇਗਾ।

ਕੁੱਲ ਅੰਕ : 20 ਪਾਠ- ਪੁਸਤਕ :

ਪ੍ਰਸ਼ਨ ਅਤੇ ਬਹੁਵਿਕਲਪੀ ਪ੍ਰਸ਼ਨ $2 \times 1 = 2$

ਅਤਿ ਛੋਟੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ $2 \times 1 = 2$

ਛੋਟੇ ਪ੍ਰਸ਼ਨ $2 \times 2 = 4$

ਵੱਡਾ ਪ੍ਰਸ਼ਨ $1 \times 2 = 2$

ਵਿਆਕਰਨ : $1 \times 4 = 4$

ਅਣਡਿੱਠਾ ਪੈਰਾ/ਕਾਵਿ ਟੁਕੜੀ/ਚਿੱਤਰ ਵਰਨਣ : $1 \times 3 = 3$

ਪੱਤਰ/ਲੇਖ : $1 \times 3 = 3$

ਛਿਮਾਹੀ ਪ੍ਰੀਖਿਆ/ਸਲਾਨਾ ਪ੍ਰੀਖਿਆ (ਅੰਕ-ਵੰਡ)

ਕੁੱਲ ਅੰਕ- 80

1. ਪੜ੍ਹਨ ਕੌਸ਼ਲ Reading Skill (10)

ਅਣਡਿੱਠਾ ਪੈਰਾ (7)

ਪੰਜ ਛੋਟੇ ਪ੍ਰਸ਼ਨ - $(2+2+2+2+1)$ (1 ਅੰਕ ਸਿਰਲੇਖ ਲਈ)

ਕਾਵਿ ਟੁਕੜੀ ਨਾਲ ਸੰਬੰਧਿਤ (ਤਿੰਨ ਪ੍ਰਸ਼ਨ) (ਪਾਠ-ਪੁਸਤਕ ਵਿਚੋਂ) (3)

2. ਵਿਆਕਰਨ : (ਬਹੁ-ਵਿਕਲਪੀ ਅਤੇ ਛੋਟੇ ਪ੍ਰਸ਼ਨ)

1. ਵਿਸ਼ੇਸ਼ਣ (ਬਹੁ-ਵਿਕਲਪੀ) (3)

2. ਸ਼ਬਦ ਜੋੜ (3)

3. ਮੁਹਾਵਰੇ (ਬਹੁ -ਵਿਕਲਪੀ) (4)

4. ਯੋਜਕ (ਬਹ-ਵਿਕਲਪੀ) (3)
5. ਕਿਰਿਆ (3)
6. ਅਗੇਤਰ (2)
7. ਕਾਲ (2)

ਕੁਲ ਅੰਕ (20)

3. ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਲਿਖਣ ਕੌਸ਼ਲ

- ਲੇਖ (ਤਿੰਨ ਲੇਖ ਚੋਣ ਅਧਾਰਿਤ ਨੁਕਤਿਆਂ ਸਹਿਤ) 8
- ਪੱਤਰ 7
- ਚਿੱਤਰ ਵਰਨਣ 5

ਕੁੱਲ ਅੰਕ (20)

4. ਪਾਠ-ਪੁਸਤਕ ਦੇ ਆਧਾਰ 'ਤੇ (30 ਅੰਕ)

1. ਅਤਿ ਛੋਟੇ ਪ੍ਰਸ਼ਨ - (1 ਅੰਕ ਵਾਲੇ)
- (ੳ) ਕਹਾਣੀ ਤੇ ਵਾਰਤਕ ਵਿੱਚੋਂ (ਬਹੁਵਿਕਲਪੀ ਪ੍ਰਸ਼ਨ) (1× 4 = 4)
- (ਅ) ਕਵਿਤਾ ਤੇ ਇਕਾਂਗੀ ਵਿੱਚੋਂ (ਬਹੁਵਿਕਲਪੀ ਪ੍ਰਸ਼ਨ) (1× 4 = 4)
- (ੲ) ਜੀਵਨੀ ਤੇ ਕਹਾਣੀ ਵਿੱਚੋਂ (ਬਹੁਵਿਕਲਪੀ ਪ੍ਰਸ਼ਨ) (1× 4 = 4)
2. ਛੋਟੇ ਪ੍ਰਸ਼ਨ ਉੱਤਰ 2 ਅੰਕ ਵਾਲੇ (25 ਤੋਂ 30 ਸ਼ਬਦਾਂ ਵਾਲੇ) (2 × 5 = 10)
- (ਕਹਾਣੀ ਤੇ ਜੀਵਨੀ ਵਿੱਚੋਂ)

3. ਵੱਡੇ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ (ਵਾਰਤਕ ਵਿੱਚੋਂ) (ਚੋਣ ਅਧਾਰਿਤ) (1 × 4 = 4)
4. ਇਕਾਂਗੀ : ਕਿਰਤ ਦਾ ਸਤਿਕਾਰ (ਚੋਣ ਅਧਾਰਿਤ) (1 × 4 = 4)

TERM - 1

UNIT- 1 (ਅਪ੍ਰੈਲ)

ਕਵਿਤਾ – ਵਣਜਾਰਾ

ਕਹਾਣੀ – ਮੋਤੀ

ਵਿਆਕਰਨ – ਅਣਡਿੱਠਾ ਪੈਰੂ, ਵਿਸ਼ੇਸ਼ਣ

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

ਗਤੀਵਿਧੀ ਅਧਾਰਿਤ ਪਾਠ : ਜੀਵਨ- ਪੰਜਾਬ ਦੀ ਲੋਕ-ਗਾਇਕਾ-ਸੁਰਿੰਦਰ ਕੌਰ

ਗਤੀਵਿਧੀ : ਸੁਰਿੰਦਰ ਕੌਰ ਦੇ ਜੀਵਨ ਬਾਰੇ ਜਾਣਕਾਰੀ ਸਾਂਝੀ ਕਰੋ।

21ਵੀਂ ਸਦੀ ਦੇ ਸਿੱਖਣ ਕੌਸ਼ਲ – ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਬੌਧਿਕ ਸ਼ਕਤੀ ਦਾ ਵਿਕਾਸ ਹੋਵੇਗਾ ਅਤੇ ਰਚਨਾਤਮਕ ਰੁਚੀਆਂ ਵਿੱਚ ਵਾਧਾ ਹੋਵੇਗਾ।

UNIT- 2 (ਮਈ)

ਲੇਖ – ਘੜੇ ਦਾ ਪਾਣੀ

ਕਹਾਣੀ – ਬਲਦਾਂ ਵਾਲਾ ਪਿਆਰਾ ਸਿੰਘ

ਵਿਆਕਰਨ - ਸ਼ਬਦ ਜੋੜ (ਸ਼ਬਦ ਸ਼ੁੱਧੀ), ਕਾਲ

ਪੱਤਰ -

1. ਆਪਣੇ ਭਰਾ ਨੂੰ ਬੁਰੀ ਸੰਗਤ ਤਿਆਗ ਕੇ ਪੜ੍ਹਾਈ ਕਰਨ ਲਈ ਪ੍ਰੇਰਿਤ ਕਰਨਾ।
2. ਆਪਣੀ ਸਹੇਲੀ ਜਾਂ ਮਿੱਤਰ ਨੂੰ ਹਮਦਰਦੀ ਭਰੀ ਚਿੱਠੀ ਲਿਖੇ ਜੋ ਕਿ ਹਸਪਤਾਲ ਵਿੱਚ ਜ਼ਖਮੀ ਪਿਆ ਹੈ।

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

ਗਤੀਵਿਧੀ ਅਧਾਰਿਤ ਪਾਠ: ਕਵਿਤਾ-ਮਾਂ ਦਾ ਪਿਆਰ

ਗਤੀਵਿਧੀ - ਮਾਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸਵੈ-ਰਚਿਤ ਕਵਿਤਾ ਲਿਖੋ।

21 ਵੀਂ ਸਦੀ ਦੇ ਸਿੱਖਣ ਕੌਸ਼ਲ- ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਬੌਧਿਕ ਵਿਕਾਸ ਹੋਵੇਗਾ।

UNIT-3 (ਜੁਲਾਈ)

ਕਵਿਤਾ - ਬਾਲ - ਖੇਡਾਂ

ਲੇਖ - ਮੇਰੇ ਦਾਦੀ ਜੀ

ਵਿਆਕਰਨ - ਕਾਵਿ-ਟੁਕੜੀ

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

ਗਤੀਵਿਧੀ ਅਧਾਰਿਤ ਪਾਠ: ਕਹਾਣੀ- ਸ਼ੇਰਨੀਆਂ

ਗਤੀਵਿਧੀ - ਬੀਬੀ ਭਾਨੀ ਜੀ ਦੇ ਜੀਵਨ ਬਾਰੇ ਚਾਨਣਾ ਪਾਓ।

21 ਵੀਂ ਸਦੀ ਦੇ ਸਿੱਖਣ ਕੌਸ਼ਲ- ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਬੌਧਿਕ ਸ਼ਕਤੀ ਦਾ ਵਿਕਾਸ ਹੋਵੇਗਾ ਅਤੇ ਰਚਨਾਤਮਕ ਰੁਚੀਆਂ ਵਿੱਚ ਵਾਧਾ ਹੋਵੇਗਾ।

UNIT-4 (ਅਗਸਤ)

ਜੀਵਨੀ - ਬਾਬਾ ਬੰਦਾ ਸਿੰਘ ਬਹਾਦਰ

ਕਹਾਣੀ - ਸ਼ਾਬਾਸ਼ ! ਸੁਮਨ !

ਵਿਆਕਰਨ - ਮੁਹਾਵਰੇ (1 - 10)

ਲੇਖ - ਬਾਬਾ ਬੰਦਾ ਸਿੰਘ ਬਹਾਦਰ, ਅੱਖੀਂ ਡਿੱਠਾ ਮੈਚ

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

ਗਤੀਵਿਧੀ ਅਧਾਰਿਤ ਪਾਠ: ਕਵਿਤਾ- ਸਾਉਣ

ਗਤੀਵਿਧੀ - ਪੰਜਾਬ ਦੇ ਕੋਈ ਦੋ ਪ੍ਰਸਿੱਧ ਤਿਉਹਾਰਾਂ ਬਾਰੇ ਲਿਖੋ।

21 ਵੀਂ ਸਦੀ ਦੇ ਸਿੱਖਣ ਕੌਸ਼ਲ- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਬੌਧਿਕ ਕੌਸ਼ਲ ਦਾ ਵਿਕਾਸ ਹੋਵੇਗਾ। ਉਹਨਾਂ ਦੇ ਗਿਆਨ ਵਿੱਚ ਵਾਧਾ ਹੋਵੇਗਾ ਤੇ ਪੰਜਾਬ ਦੇ ਤਿਉਹਾਰਾਂ ਬਾਰੇ ਜਾਣਕਾਰ ਹੋਣਗੇ।

UNIT-5 (ਸਤੰਬਰ)

ਕਾਵਿ-ਕਹਾਣੀ - ਬਚਿੱਤਰ ਸਿੰਘ ਦੀ ਕਹਾਣੀ

ਇਕਾਂਗੀ - ਕਿਰਤ ਦਾ ਸਤਿਕਾਰ

ਵਿਆਕਰਨ - ਯੋਜਕ, ਚਿੱਤਰ ਵਰਨਣ

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

TERM - 2

UNIT-6 (ਅਕਤੂਬਰ)

ਜੀਵਨੀ - ਕਰਤਾਰ ਸਿੰਘ ਸਰਾਭਾ

ਕਵਿਤਾ - ਜੀਅ ਕਰੇ

ਕਹਾਣੀ - ਤ੍ਰਿਲੋਚਨ ਦਾ ਕੱਦ

ਵਿਆਕਰਨ - ਅਣਡਿੱਠਾ ਪੈਰਾ, ਕਿਰਿਆ

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

UNIT-7 (ਨਵੰਬਰ)

ਕਵਿਤਾ - ਅਦਭੁੱਤ ਸੰਸਾਰ

ਪੱਤਰ - ਬਿਨੈ ਪੱਤਰ

1. ਮੁੱਖ ਅਧਿਆਪਕ ਜੀ ਨੂੰ ਸੈਕਸ਼ਨ ਬਦਲਣ ਲਈ ਬਿਨੈ -ਪੱਤਰ ਲਿਖੋ।

2. ਆਪਣੇ ਮੁੱਖ ਅਧਿਆਪਕ ਜੀ ਨੂੰ ਰੈੱਡ-ਕਰਾਸ ਫੰਡ ਵਿੱਚੋਂ ਸਹਾਇਤਾ ਲੈਣ ਲਈ ਅਰਜ਼ੀ ਲਿਖੋ।

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

ਗਤੀਵਿਧੀ ਅਧਾਰਿਤ ਪਾਠ: ਜੀਵਨੀ- ਲਾਲਾ ਲਾਜਪਤ ਰਾਏ, ਗਿਠਮੁਠੀਆਂ ਵਾਲਾ ਖੂਹ

ਗਤੀਵਿਧੀ - ਭਾਰਤ ਦੀ ਅਜ਼ਾਦੀ ਵਿੱਚ ਹਿੱਸਾ ਪਾਉਣ ਵਾਲੇ ਕਿਸੇ ਇੱਕ ਅਜ਼ਾਦੀ ਘੁਲਾਈਏ ਬਾਰੇ ਲਿਖੋ।

ਗਤੀਵਿਧੀ - ਗਿਠਮੁਠੀਆਂ ਵਾਲਾ ਖੂਹ ਪਾਠ ਦਾ ਸੁਲੇਖ

21 ਵੀਂ ਸਦੀ ਦੇ ਸਿੱਖਣ ਕੌਸ਼ਲ- ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਬੌਧਿਕ ਵਿਕਾਸ ਹੋਵੇਗਾ, ਅਲੌਚਨਾਤਮਕ ਕੌਸ਼ਲ ਦਾ ਵਿਕਾਸ ਹੋਵੇਗਾ ਅਤੇ ਉਹਨਾਂ ਦੀ ਜਾਣਕਾਰੀ ਵਿੱਚ ਵਾਧਾ ਹੋਵੇਗਾ।

UNIT-8 (ਦਸੰਬਰ)

ਕਹਾਣੀ - ਸੱਤ ਡਾਕਟਰ

ਜੀਵਨੀ - ਪੁਲਾੜ ਪਰੀ ਕਲਪਨਾ ਚਾਵਲਾ

ਵਿਆਕਰਨ - ਕਾਵਿ-ਟੁਕੜੀ, ਮੁਹਾਵਰੇ (11-20)

ਲੇਖ - ਸਮੇਂ ਦੀ ਕਦਰ, ਪ੍ਰਦੂਸ਼ਣ

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

ਗਤੀਵਿਧੀ ਅਧਾਰਿਤ ਪਾਠ: ਲੇਖ- ਵਿਰਾਸਤ-ਏ-ਖਾਲਸਾ

ਗਤੀਵਿਧੀ - ਵਿਰਾਸਤ-ਏ-ਖਾਲਸਾ ਦੇ ਦ੍ਰਿਸ਼ ਦਾ ਵਰਣਨ ਕਰਦੇ ਹੋਏ ਲੇਖ ਲਿਖੋ।

21 ਵੀਂ ਸਦੀ ਦੇ ਸਿੱਖਣ ਕੌਸ਼ਲ- ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਬੌਧਿਕ ਵਿਕਾਸ ਹੋਵੇਗਾ ਅਤੇ ਉਹਨਾਂ ਦੀ ਆਮ ਜਾਣਕਾਰੀ ਵਿੱਚ ਵਾਧਾ ਹੋਵੇਗਾ।

UNIT-9 (ਜਨਵਰੀ)

ਗੀਤ - ਮਿਲਖੀ ਦਾ ਵਿਆਹ

ਲੇਖ - ਜਾਗੋ

ਵਿਆਕਰਨ - ਅਗੇਤਰ

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

UNIT-10 (ਫਰਵਰੀ)

ਇਕਾਂਗੀ - ਕਿਰਤ ਦਾ ਸਤਿਕਾਰ

ਵਿਆਕਰਨ - ਚਿੱਤਰ ਵਰਨਣ

ਮਿੱਥੇ ਟੀਚੇ (Targeted Skill)

ਕੌਸ਼ਲ ਨਿਪੁੰਨਤਾ ਅਤੇ ਬਹੁਪੱਖੀ ਪ੍ਰਤਿਭਾ ਦਾ ਵਿਕਾਸ

Subject : Mathematics

Book Prescribed: TEXT BOOK OF MATHEMATICS by NCERT.

RATIONALE:

Math curriculum encourages students to analyze problems, think logically, and apply mathematical principles and techniques to find solutions. The application based word problems challenges students to promote the development of critical thinking, logical reasoning and problem-solving skills.

GENERAL OBJECTIVES OF TEACHING MATHEMATICS –

1. To enable the child to solve the mathematical problems.
2. To provide a suitable type of discipline in the mind of the learners.
3. To prepare the child for various technical profession.
4. To prepare the child for economic purposeful, productive, creative, and constructive living.
5. To prepare the child for elementary as well as higher education.
6. To develop in the power of thinking and reasoning.
7. To develop in the child the habit of concentration, self-reliance and discovery.
8. To discover in him a scientific attitude to life.

ASSESSMENT FOR UNIT TESTS

(20 marks)

Q1 to Q 6	1 mark each	$6 \times 1 = 6$
Q7 to Q 8	2 marks each	$2 \times 2 = 4$
Q9 to Q 10	3 marks each	$2 \times 3 = 6$
Q11	4 marks each	$1 \times 4 = 4$

ASSESSMENT FOR TERMINAL/ANNUAL EXAMINATION (80 marks)

Q1 to Q20	1 mark each	$20 \times 1 = 20$
Q21 - Q26	2 marks each	$6 \times 2 = 12$
Q27 - Q34	3 marks each	$8 \times 3 = 24$
Q35 - Q40	4 marks each	$6 \times 4 = 24$

TERM – I

UNIT – I (APRIL – MAY)

CHAPTER 1: INTEGERS

KEYWORDS: Natural numbers, whole numbers, integers, additive inverse, multiplicative inverse, closure property, commutative property, associative property, distributive property, additive identity, multiplicative identity.

- Number line.
- Operation on integers.
- Word problems including integers.

TARGETED SKILLS: Computational, Reasoning, observation

ACTIVITY: Operations on integers on number line.

21ST CENTURY SKILLS: Critical & Logical Thinking.

CHAPTER 2: FRACTIONS AND DECIMALS

KEYWORDS: Types of fractions: Proper, Improper, Mixed, Like, Unlike, Equivalent, Unit and Decimal.

- Properties of fractions.
- Operations on fractions.
- Decimal numbers and their operations.
- Word Problems on fractions & Decimals.

TARGETED SKILLS: Computational, observational, application

ACTIVITY: Shading of given figures according to given fractions.

21ST CENTURY SKILLS: Problem Solving and Creativity

UNIT - II (MAY)

CHAPTER 8: RATIONAL NUMBERS

KEYWORDS: Natural numbers, Whole numbers, Integers, Rational numbers.

- Rational numbers and their operations.
- Representation of rational numbers on number line.

TARGETED SKILLS: Computational, observational

ACTIVITY: Addition of Rational Numbers using grids.

21ST CENTURY SKILLS: Critical & Logical Thinking.

UNIT - III (JULY)

CHAPTER 4: SIMPLE EQUATIONS

KEYWORDS: Variables, Constants, Expression, Equation, Solution

- Solution of simple equations.
- Word problems of simple equations.

TARGETED SKILLS: Computational, application

UNIT – IV (JULY)

CHAPTER 5: LINES AND ANGLES

KEYWORDS: Line segment, Line, Angle, Complementary angles, Supplementary Angles, Adjacent angles, Linear pair, Vertically opposite

angles, Transversal, Parallel lines, Corresponding angles, Alternate angles.

- **Pairs of angles:** Complementary angles, Supplementary Angles, Adjacent angles, Linear pair, vertically opposite angles.
- Properties of parallel line.

TARGETED SKILLS: Understanding, computational, application

ACTIVITY:

- To verify that if two lines intersect at a point, then vertically opposite angles are equal by paper cutting & pasting.
- To draw and color different types of angles formed by a pair of lines and their transversal.

21ST CENTURY SKILLS: Creativity & Logical Thinking

UNIT - V (AUGUST)

CHAPTER 11: EXPONENTS AND POWERS

KEYWORDS: Base, Power, Exponential Form

- Representation of numbers in exponential forms.
- Laws of exponents.
- Conversion of usual form of decimals to standard form and vice-versa.

TARGETED SKILLS: Understanding, computational, application

ACTIVITY: To find the value of 2^0 , 2^1 , 2^2 , 2^3 and 2^4 by paper folding.

21ST CENTURY SKILLS: Understanding & Logical thinking.

CHAPTER 12: SYMMETRY

KEYWORDS: Symmetry, Line symmetry, Rotational symmetry, Order of rotation, Angle of rotation.

- Line symmetry.
- Rotational symmetry.

- Angle and order of rotation.

TARGETED SKILLS: Understanding, computational, observational

ACTIVITY:

- To draw the lines of symmetry for given shapes.

21ST CENTURY SKILLS: Understanding & Logical Thinking.

TERM - II

UNIT – VI (OCTOBER)

CHAPTER 6: THE TRIANGLE AND ITS PROPERTIES

KEYWORDS: Triangles, Median, Altitude, Angle sum property of triangle, Exterior angle property of triangle, Hypotenuse, Pythagoras theorem.

- Medians and altitudes of triangle.
- Angle sum property of triangle.
- Exterior angle property of triangle.
- Isosceles and Equilateral triangle.
- Pythagoras theorem.

TARGETED SKILLS: Computational, understanding, observational, application

ACTIVITY: To verify Angle Sum Property / Exterior Angle Property of a triangle by paper cutting and pasting.

21ST CENTURY SKILLS: Understanding & Creativity.

UNIT – VII (NOVEMBER)

CHAPTER 7: COMPARING QUANTITIES

KEYWORDS: Ratio, Percentage, Cost Price, Selling price, Gain, Loss, Simple interest, Principal, Amount.

- Equivalent ratios.
- Conversion of ratio, decimal and fractions into percentage.
- Application of percentage.

TARGETED SKILLS: Computational, understanding, application

UNIT - VIII (DECEMBER)

CHAPTER 9: PERIMETER AND AREA

KEYWORDS: Perimeter, Circumference, Area

- Perimeter and area of 2-D shapes.
- Circumference and area of Circle and semi-circle.

TARGETED SKILLS: Understanding, computational, application

ACTIVITY: To find the area & circumference of a circle whose radius is not given.

21ST CENTURY SKILLS: Critical & logical thinking.

UNIT - IX (JANUARY)

CHAPTER 10: ALGEBRAIC EXPRESSIONS

KEYWORDS: Constants, Variable, Coefficient, Expression, Monomial, Binomial, Trinomial, Polynomials, Terms, Factors, Like and unlike terms.

- Identifying constants, terms and variables.
- Like and unlike terms.
- Classification of monomials, binomials, trinomials and polynomials.
- Finding the value of expressions with given values of variables.

TARGETED SKILLS: Computational, observational, understanding, application

UNIT - X (FEBRUARY)

CHAPTER-3 DATA HANDLING

KEYWORDS:Data, Mean, Median, Mode, Range, Bar-Graph, Double bar-graph

- Collection and organization of data.
- Mean Median and Mode of data.
- Construction of bar-graph and double bar-graph.

TARGETED SKILLS: Understanding, Observational, Interpretation, application

ACTIVITY: Comparison of two given sets of data by double bargraph.

21ST CENTURY SKILLS: Understanding & Logical thinking.

CHAPTER 13: VISUALISING SOLID SHAPES.

KEYWORDS: 2-D and 3-D shapes, Nets of solids, Oblique sketch, Isometric sketch, Cross-section, Faces, Edges, Vertices of 3-D shapes.

- Nets of solids.
- Cross-section of solids.
- Views of solids.
- Isometric and oblique sketches of solids.

TARGETED SKILLS: Understanding, observational

ACTIVITY: To draw the nets of given 3 - D shapes and write their vertices, edges & faces.

(21ST CENTURY SKILLS): Creativity & Understanding.

Subject : Science

Book Prescribed: SCIENCE BY N.C.E.R.T.

RATIONALE

Science is a collaborative and creative human endeavour arising from our desire to understand the world around us and the wider universe. Essentially, it is curiosity in thoughtful and deliberate action. Learning science through inquiry enables students to ask more questions, and to develop and evaluate explanations of events and phenomena they encounter.

The study of science enables students to build on their learning in primary school and to further develop their knowledge of and about science. Students enhance their scientific literacy by developing their ability to explain phenomena scientifically; their understanding of scientific inquiry; and their ability to interpret and analyse scientific evidence and data to draw appropriate conclusions.

Developing scientific literacy is important to social development. As part of this process students develop the competence and confidence needed to meet the opportunities and challenges of senior cycle sciences, employment, further education and life. The wider benefits of scientific literacy are well established, including giving students the capacity to make contributions to political, social and cultural life as thoughtful and active citizens who appreciate the cultural and ethical values of science. This supports students to make informed decisions about many of the local, national and global challenges and opportunities they will be presented with as they live and work in a world increasingly shaped by scientists and their work.

OBJECTIVES:

The objectives of science and technology education at the upper primary stage are to:

- Expose the children to basic processes of science.
- Understand the processes that underlie simple scientific and technological activities
- Make the children understand applications of basic scientific principles to solve problems related to daily life
- Familiarize the children with life processes, health, nutrition and human diseases.
- Create an awareness of the immediate environment and a need for its protection.
- Make the children recognize the relationship of science, technology and society.
- Inculcate in children some of the science and technology related values; and
- To provide scientific and technological literacy to the learners.

ASSESSMENT FOR UNIT TESTS - 20 marks

QUESTION	MARK / MARK	TOTAL MAR
3	1	3
3	2	6
2	3	6
1	5	5
Total		20

ASSESSMENT FOR TERMINAL/ANNUAL EXAMINATION - 80 marks

SECTION	QUESTIONS	MARK/MARKS	TOTAL MARKS
A	20	1	20
B	6	2	12
C	7	3	21
D	3	5	15
E	3	4	12
TOTAL	39	-	80

TERM-1

UNIT -1 (April & May)

CHAPTER 1: Nutrition in Plants

Photosynthesis and Autotrophic Nutrition, Heterotrophic Nutrition, Parasites, Saprophytes, Replenishment of nutrients in the soil.

KEY WORDS: Autotrophic, Chlorophyll, Heterotrophs, Host, Insectivorous, Nutrient, Nutrition, Parasite, Photosynthesis, Saprotrophs, Saprotrophic, Stomata

TARGETED SKILLS: Observation, Curiosity, Analytical.

LAB EXPERIMENTS: (21st century skill- Scientific reasoning)

- a) To study the apparatus used in laboratory.
- b) To study the growth of fungus on stale bread.

CHAPTER 2: Nutrition in Animals (APRIL-MAY)

Different ways of taking food, Nutrition in human beings, Digestion in human beings, Feeding and digestion in amoeba, Types of Teeth, Digestion in ruminants.

KEY WORDS: Absorption, Amino acid, Amoeba, Assimilation, Bile, Buccal cavity, Canine, Cellulose, Digestion, Egestion, Fatty acid, Food vacuole, Gall bladder, Glycerol, Incisor, Ingestion, Liver, Milk teeth, Molar, Permanent teeth, Oesophagus, Pancreas, Premolar, Pseudopodia, Rumen, Ruminant, Rumination, Salivary glands, Villi, Saliva.

TARGETED SKILLS: Observation, Curiosity, Analytical.

LAB EXPERIMENT (21st century skills- Critical Thinking, scientific reasoning): To study the effect of saliva on starch.

UNIT -2 (July)

CHAPTER 3: Heat

Introduction to Heat: Hot & Cold, Temperature, Measuring Temperature- Reading a thermometer, Clinical and Laboratory Thermometer, Sea, Breeze & Land Breeze, Heat Transfer: An idea of conduction, convection and radiation, Clothing for winters and summers.

KEY WORDS: Celsius scale, Conduction, Conductor, Convection, Insulator, Land breeze Radiation, Sea breeze, Temperature, Thermometer.

TARGETED SKILLS: Observation, Curiosity, Analytical.

LAB EXPERIMENTS (21st century skills- Life skills, problem solving, scientific reasoning):

- a) To study the conduction of heat in solids.
- b) To study Lab and Clinical Thermometer.
- c) To study convection currents by using potassium permanganate.

UNIT -3 (July)

CHAPTER4: Acids, Bases and Salts

Classification of substances into acidic, basic and neutral, Indicators: Litmus, Turmeric, China Rose, Neutralization, Neutralization in everyday life.

KEY WORDS: Acid, Acidic, Base, Basic, Indicator, Neutral, Neutralisation, Salt.

TARGETED SKILLS: Observation, Curiosity, Analytical.

LAB EXPERIMENT (21st century skills-Critical thinking, analytical reasoning): To classify the substances as acidic, basic, neutral.

UNIT -4 (August)

CHAPTER5: Physical & Chemical Changes

Physical and Chemical Changes, Chemical Substances, Chemical reactions, Chemical reactions in everyday life, Rusting of iron and preventive measures, Crystallization.

KEY WORDS: Chemical change, Chemical reaction, Crystallisation, Galvanisation, Physical change, Rusting.

TARGETED SKILLS: Observation, Curiosity, Analytical.

LAB EXPERIMENTS (21st century skills- critical thinking, scientific reasoning, innovation):

- a) To study the evaporation and condensation of water.
- b) To study the changes on burning a magnesium ribbon
- c) To study the changes on reaction of iron with copper sulphate solution.

d) To study the changes on reaction of baking soda with vinegar

UNIT-5 (August)

CHAPTER 6: Respiration in Organisms

What is respiration? Why do we respire? Aerobic and Anaerobic Respiration, Breathing: How do we breathe? What do we breathe in and breathe out?, Breathing in other animals (cockroach, earthworm), Breathing under water, Respiration in plants.

KEY WORDS: Aerobic respiration, Anaerobic respiration, Breathing rate, Cellular respiration, Diaphragm, Exhalation, Gills, Lungs, Inhalation, Spiracles, Tracheae, Ribs.

TARGETED SKILLS: Observation, Curiosity, Analytical.

LAB EXPERIMENT (21st century skills- Critical thinking, analytical reasoning): To test that CO₂ turns lime water milky.

CHAPTER-7 Transportation in Animals and Plants

Circulatory system and its components, Excretion in animal: Excretory system, Transport of substances in plants: water and minerals, Sweating, Transpiration.

KEY WORDS: Ammonia, Artery, Blood, Blood vessels, Capillary, Circulatory system, Dialysis, Excretion, Excretory system, Haemoglobin, Heartbeat, Kidneys, Phloem, Plasma, Platelets, Pulse, Red blood cell, Root hair, Stethoscope, Sweat, Tissue, Urea, Ureter, Urethra, Uric acid, Urinary bladder, Vein, White blood cell, Xylem.

TARGETED SKILLS: Observation, Curiosity, Analytical.

ACTIVITY (21st century skills- life skills, collaboration): To study the structure of heart and excretory system.

TERM- 2

UNIT -6 (October)

CHAPTER 8: Reproduction in Plants

Modes of reproduction in plants: Asexual & Sexual Reproduction, Asexual Reproduction: Vegetative Propagation, Budding, Fragmentation, Spore Formation, Sexual Reproduction: Pollination & Fertilization, Fruit and seed formation: Seed Dispersal.

KEY WORDS: Asexual reproduction, Budding, Embryo, Fertilisation, Fragmentation, Gametes, Hypha, Ovule, Pollen grain, Pollen tube, Pollination, Seed dispersal, Sexual reproduction Spore, Sporangium, Vegetative propagation, Zygote.

TARGETED SKILLS: Observation, Curiosity, Analytical.

LAB EXPERIMENT (21st century skills- life skills, environmental awareness, scientific reasoning): To study the different parts of Hibiscus flower.

UNIT -7 (October)

CHAPTER 9: Motion and time

An idea of speed: slow and fast, Measurement of time using periodic events, measuring speed: units of time and speed, Understanding and application Distance- Time Graph.

KEY WORDS: Bar graph, Graphs, Non-uniform motion, Oscillation, Simple pendulum, Speed, Time period, Uniform motion, Unit of time.

TARGETED SKILLS: Understanding, Analytical and Calculation.

LAB EXPERIMENT (21st century skills- analytical thinking, problem solving): To calculate the time period of simple pendulum.

UNIT - 8 (November)

CHAPTER 10: Electric current and its effects

Electric circuit symbols for different elements of circuit, Heating effect of current, Principle of fuse, Magnetic effect of electric current, Current carrying coil: Electromagnet, Working of an electric bell.

KEY WORDS: Battery, Electric components, Circuit diagram, Electric bell, Electromagnet, Fuse, Heating effect of current, Magnetic effect of current.

TARGETED SKILLS: Understanding, Analytical and Calculation.

LAB EXPERIMENT (21st century skills- scientific reasoning, problem solving):

- a) To make an electromagnet.
- b) To study the heating and magnetic effect of electric current.

UNIT -9 (December)

Chapter 11: Light

Rectilinear Propagation of Light and Reflection of Light, Reflection of Light, Virtual Image and Real Image, Reflection of Light in a Mirror - Lateral Inversion or Left-Right Reversal, Images formed by spherical mirrors, Images formed by lenses, Sunlight: white or coloured?

KEY WORDS: Concave lens, concave mirror, convex lens, convex mirror, Erect image, Magnified image, Magnifying glass, Prism, Rainbow, Real image, Rear view mirror, Side mirror, Spherical mirror Virtual image.

TARGETED SKILLS: Understanding, Analytical and Calculation.

LAB EXPERIMENT (21st century skills- environmental awareness, scientific reasoning, critical thinking)

- a) To study that white light consists of seven colours by using Newton's disc.
- b) To show dispersion of light by using prism.

UNIT – 10 (January & February)

Chapter 12: Forests: Our Lifeline

Importance of forests, Interdependence of plants and animals in forests, Conservation of forests

KEY WORDS: Canopy, Crown, Decomposers, Seed dispersal, Soil erosion, Understorey, Deforestation, Humus, Regeneration.

TARGETED SKILLS: Observation, Curiosity, Analytical.

ACTIVITY(21st century skills- creativity, collaboration, environmental awareness): To study the herbal garden of the school and build one at home.

CHAPTER 13: Wastewater Story

Water - Our Lifeline, Sewage & Wastewater Treatment Plant, Drainage Systems, Other Methods of Sewage Management

KEY WORDS - Aeration, Aerobic bacteria, Anaerobic bacteria, Biogas, Contaminant, Sanitation, Sewage, Sewer, Sewerage, Sludge, Wastewater.

TARGETED SKILLS: Observation, Curiosity, Analytical.

ACTIVITY (21st Century skills- teamwork, information literacy): To find out how water and sewage is disposed of in your house or apartment complex.

SUBJECT : SOCIAL SCIENCE

BOOKS PRESCRIBED:

- **OUR ENVIRONMENT (NCERT)**
- **OUR PASTS – II (NCERT)**
- **SOCIAL AND POLITICAL LIFE - II (NCERT)**

RATIONALE

History is a component of Social Science. This component would help students develop a historical sensibility and awareness of the significance of history. Students need to see history not simply as a set of facts about the past – economic, social, political, and cultural – but that they have to learn to think historically. Students have to acquire a capacity to make interconnections between processes and events, between developments in one place and another, and see the link between histories of different groups and societies. Geography is an integral component of social science. At this stage learners are introduced to the basic concepts necessary for understanding the world in which they live. It promotes the understanding of interdependence of various regions and countries. The children will be introduced to the contemporary issues such as global distribution of economic resources, gender, marginalized group, and environment and ongoing process of globalisation. At the elementary stage, the idea is to introduce students to various aspects of political, social and economic life. These concepts will be explained using imaginary narratives that allow children to draw connections between these and their everyday experiences.

GENERAL OBJECTIVES

- Introduce the children to time lines and historical maps.
- Provide a general idea of the developments within the periods of history.

- Give an idea of the way historians come to know about the past. Create a sense of historical diversity.
- Initiate the learner into a study of her/his own region, state and country in the global context.
- Promote the understanding of interdependence of various regions and countries.
- To enable students to make connections between their everyday lives and the issues discussed in the textbook.
- Children would gain a real sense of the workings of Indian democracy: its institutions and processes.
- To enable students to grasp the interconnectedness between political, social and economic issues.

ASSESSMENT FOR UNIT TESTS - 20 marks

Q. No.	Marks
1-3	$3 \times 1 = 3$
4-5	$3 \times 2 = 6$
6 (Passage)	$1 \times 4 = 4$
7	$1 \times 5 = 5$
8 (Map)	$1 \times 2 = 2$
TOTAL	20

ASSESSMENT FOR TERMINAL/ANNUAL EXAMINATION - 80 marks

Q. No.	Marks
1-20	$1 \times 20 = 20$
21-28	$3 \times 8 = 24$
29 – 34	$5 \times 6 = 30$ (3 Passages and 3 Questions)

35 (Map Geography)	1×3 = 3
36 (Map History)	1×3 = 3
TOTAL	80

TERM – 1

UNIT – 1 (April)

GEOGRAPHY: CHAPTER – 1 Environment

KEYWORDS: environment, ecosystem, lithosphere, hydrosphere, atmosphere, biosphere

HISTORY: CHAPTER- 1 Tracing changes through a Thousand Years

KEYWORDS: manuscript, jati, region, periodisation, modernity, patron

CIVICS: CHAPTER – 1 On Equality

KEYWORDS: universal adult franchise, dignity, constitution, civil rights movement, equality, discrimination

TARGETED SKILLS: Cognitive skills, Decision making

ACTIVITY: Look at your surroundings. Make a list of uses of land in your neighbourhood.

21ST CENTURY SKILLS – Awareness, Comparative analysis , ethical values, gender awareness

UNIT – 2 (April-May)

GEOGRAPHY: CHAPTER – 2 Inside the Earth

KEYWORDS: crust, mantle, core, igneous, sedimentary, metamorphic, minerals, rocks

CIVICS: CHAPTER – 2 Role of Government in Health

KEYWORDS: public, private, medical tourist, communicable disease, OPD, healthcare

TARGETED SKILLS: Problem-solving skills

ACTIVITIES:

1. Do the activity given on page 11 (Geography)
2. What problems do you face in private and public hospitals?

21ST CENTURY SKILLS-Observation, Civic awareness

UNIT – 3 (July)

GEOGRAPHY: CHAPTER – 3 Our Changing Earth

KEYWORDS: erosion, endogenic forces, exogenic forces, volcano, earthquake, glacier, sand dune

HISTORY: CHAPTER-2 Kings and Kingdoms

KEYWORDS: samanta, temple, nadu, sabha, brahmadeya, nagaram

CIVICS: CHAPTER – 3 How the State Government Works

KEYWORDS: constituency, majority, opposition, press conference, coalition, legislative assembly

TARGETED SKILLS: Vocabulary and language skills

ACTIVITY: Solve the crossword puzzle given on the page 19 (Geography)

21ST CENTURY SKILLS–Awareness, Observation

UNIT – 4 (July-August)

GEOGRAPHY: CHAPTER – 4 Air

KEYWORDS: atmosphere, stratosphere, troposphere, humidity, weather, climate, wind

HISTORY: CHAPTER-3 Delhi 12th to 15th century

KEYWORDS: iqta, tarikh, garrison, mongols, kharaj, tawarikh

CIVICS: CHAPTER – 4 Growing up as Boys and Girls

KEYWORDS: identity, double burden, de-valued, anganwadi, inequality

TARGETED SKILLS: Vocabulary and language skills

ACTIVITY: Solve the crossword puzzle given on page 28(Geography)

21ST CENTURY SKILLS-Classification, observation, critical thinking, gender awareness

UNIT – 5 (August)

HISTORY: CHAPTER-4 The Mughal (16th to 17th century)

KEYWORDS:Mughals, mansab, jagir, zat, sawar, sulh- i- kul, primogeniture, coparcenary, zabt

CIVICS: CHAPTER – 5 Women Change the World

KEYWORDS: stereotype, discrimination, violation, sexual harassment, campaigning, solidarity

TARGETED SKILLS: Problem-solving, historical analysis

21ST CENTURY SKILLS – Self-awareness, comparative analysis, empathy

TERM – 2

UNIT – 6 (October)

GEOGRAPHY: CHAPTER – 5 Water

KEYWORDS: water cycle, ground water, tides, waves, ocean current, tsunami

CIVICS: CHAPTER – 6 Understanding Media

KEYWORDS: publish, censorship, broadcast, public protest, local media

TARGETED SKILLS: Communication skills

ACTIVITIES:

1. Write the features of different types of Vegetations.
2. Name some examples of Electronic and Print Media.

21ST CENTURY SKILLS- Global awareness, media literacy

UNIT – 7 (November)

HISTORY: CHAPTER-5 Tribes, Nomads and Settled Communities

KEYWORDS: varna, jati, tanha, garh, chaurasi, barhot, bhuiyans, paik, khel

TARGETED SKILLS: Adaptability, social skills

21ST CENTURY SKILLS- Social and cross-cultural interaction

UNIT – 8 (December)

GEOGRAPHY: CHAPTER – 6 Human Environment Interactions – The Tropical and the Subtropical Region

KEYWORDS: tributary, equatorial, river mouth, population density, basin

HISTORY: CHAPTER-6 Devotional Path to the Divine

KEYWORDS: virashaivism, bhakti, sufi, khanqah, dharmasal, salvation, namghar

CIVICS: CHAPTER – 7 Markets Around Us

KEYWORDS: weekly market, mall, wholesale, chain of market, neighbourhood

TARGETED SKILLS: Problem solving and cognitive skills.

ACTIVITY: Visit a Weekly Market and Shopping Complex & write the difference between them.

21ST CENTURY SKILLS – Building and maintaining relationships, self-awareness

UNIT – 9 (January)

HISTORY: CHAPTER-7 The Making of the Regional Cultures

KEYWORDS: classical, miniature, pir, dialect, dochala, animism

CIVICS: CHAPTER – 8 A Shirt in the Market

KEYWORDS: ginning mill, exporter, profit, putting out system, merchant

TARGETED SKILLS: Social skills, critical thinking

21ST CENTURY SKILLS – Managing emotions, adaptability

UNIT – 10 (February)

GEOGRAPHY: CHAPTER – 7 Life in the Desert

KEYWORDS: desert, oasis, khapa-chan, ladakh, sparse

HISTORY: CHAPTER-8 Eighteenth Century Political Formation

KEYWORDS: subadari, dal khalsa, misl, faujdari, ijaradari, chauth, sardeshmukhi

TARGETED SKILLS: Personal and social responsibility

21ST CENTURY SKILLS: Historical analysis, collaboration, global awareness

MAP ACTIVITY (TERM - I HISTORY):

On a political map of India, show the following

- 1) Kingdoms: Gurjara Pratiharas, Rashtrakutas, Palas, Cholas (Ch-2)
- 2) Areas: Bengal, Punjab, Sind, Kashmir (Ch-4)

DIAGRAM ACTIVITY (TERM – I GEOGRAPHY):

- 1) Components of environment (Ch - 1)
- 2) Composition of air (Ch - 4)
- 3) Layers of atmosphere (Ch - 4)
- 4) Water Cycle (Ch - 5)

MAP ACTIVITY (TERM - II HISTORY):

On a political map of India, show the following

- 1) Bhakti Saints : Guru Nanak, Mirabai, Kabir, Surdas, Tulsidas (Ch-6)
- 2) Show states formation of 18th century: Awadh, Bengal, Gujarat, Hyderabad (Ch-8)

MAP ACTIVITY (TERM –II GEOGRAPHY):

- On a political map of India, show the following
 - 1) Ladakh, Karakoram and Zaskar Range, Zojila Pass (Ch-9)

Subject : GK/MORAL SCIENCE

Books Prescribed

Knowledge Mine-7 (Sacred Home International)

Life with Values-7 (S. Chand School)

ASSESSMENT FOR UNIT TESTS (20 marks)

G.K.- 14 Marks Moral Science-6 Marks

ASSESSMENT FOR TERMINAL/ANNUAL EXAMINATION (40 marks)

G.K.- 28 marks Moral Science-12 marks

TERM-I

UNIT 1 (April)

MORAL SCIENCE : CHAPTER 1

GK WORKSHEETS: 1,2,3 and 4

UNIT 2 (May)

MORAL SCIENCE : CHAPTER 2

GK WORKSHEETS: 5,6,7 and 8

UNIT 3 (July)

MORAL SCIENCE : CHAPTER 3

GK WORKSHEETS: 9,10,11 and 12

UNIT 4 (July- August)

MORAL SCIENCE : CHAPTER 4

GK WORKSHEETS:13,14,15 and 16

UNIT 5 (August)

MORAL SCIENCE : CHAPTER 5

GK WORKSHEETS:17,18,19 and 20

TERM-2

UNIT 6 (October)

MORAL SCIENCE : CHAPTER 6

GK WORKSHEETS:21,22,23 and 24

UNIT 7 (November)

MORAL SCIENCE : CHAPTER 7

GK WORKSHEETS: 25,26,27 and 28

UNIT 8 (December)

MORAL SCIENCE: CHAPTER 8

GK WORKSHEETS:29,30,31 and 32

UNIT 9 (January)

MORAL SCIENCE : CHAPTER 9

GK WORKSHEETS: 33,34,35 and 36

UNIT 10 (February)

MORAL SCIENCE: CHAPTER 10

GK WORKSHEETS:37,38,39,40 and 41

TARGETED SKILLS- Critical thinking, creative thinking, communication, collaboration, self-confidence, self-awareness, dealing with emotions, decision making, Interpersonal relationship skills, coping with stress, time-management, organization and motivation skills.

Subject : Computer

Book Prescribed : TOUCHPAD (PLUS Ver.2.1)

Publisher: Orange Education Pvt. Ltd.

ASSESSMENT FOR UNIT TESTS (20 marks)

QUESTIONS	MARKS	TOTAL MARKS
16	1	16
2	2	4
		20

ASSESSMENT FOR TERMINAL/ANNUAL EXAMINATION (30 marks)

QUESTIONS	MARKS	TOTAL MARKS
24	1	24
3	2	6
		30

TERM-I

Unit-1 (April)

Chapter-1: Number System: Number System, Decimal to Binary Conversion, Binary to Decimal Conversion, Operations on Binary Numbers.

Keywords: Basic/Radix, Expansion method, LSD, MSD, Bit, Nibble, Byte, Word.

21st Century Skill: Critical Thinking and Computational Thinking

Activity:- Solve the crossword given on Page 15 in the book.

Unit–2 (May)

Chapter-2:Charts in Excel 2016: Components of Charts, Types of Charts in Excel, Creating a Chart, Changing Chart Type.

Keywords: Chart title, Category axis, Value axis, Plot Area, Legend, Gridlines, ChartArea, Data Series and Labels.

21st Century Skill: Critical Thinking, and Information Literacy

Activity:- Surf the Internet to find the real-life uses of the different types of charts.

Unit– 3 (July)

Chapter-3: Advanced Features of Excel: Sorting Data, Filtering Data, Conditional Formatting.

Keywords: Sorting, Filter, Data Bars, Color Scales, Icon Sets.

21st Century Skill : Creativity, Experiential Learning and Information Literacy

Activity: Make a list of your 10 friends in Excel. Make columns for the distance of their home from school, distance of post office from their home, etc. Use sorting to arrange data in an order. Highlight the cells which have distance less than 2.5km in any cell.

Unit-4 (July)

Chapter-5: Internet Services: Social Networking, Skype, E-Banking, Newsgroup.

Keywords: Network, Messenger, Twitter, Quora, Skype, CVV, OTP, E-wallet, COD

21st Century Skill : Creativity and Information Literacy

Activity: Create a PowerPoint presentation on different social networking sites with their features.

Unit -5 (August)

Chapter 5 (Contd.): Internet Services Blogging, Cloud Computing, RSS (Really Simple Syndication), Podcasting.

Keywords: Blog, Blogging, Blogger, Website, Cloud Computing, One drive, RSS, Podcasting

21st Century Skill : Subject Enrichment , Creativity and Information Literacy)

Activity: Surf the Internet and explore other cloud storage service providers apart from Microsoft.

TERM-II

Unit- 6 (October)

Chapter-6: App Development: What is an App? Defining the Android and iOS, Types of Mobile Apps, Categories of Apps, Downloading and Installing the App and Developing an App.

Keywords: App, Android, iOS, Native App, Web Apps, Hybrid Apps, App inventor, Block editor

21st Century Skill : Critical thinking, Creativity, Art Integration and Information Literacy)

Activity: Create a collage on A4 sheet of different apps available in a phone used in your daily life.

Unit-7 (October - November)

Chapter-7: More on HTML5: HTML, HTML Tags and Attributes, Text Properties, Background Properties, Font Properties, Margin Properties.

Keywords: HTML, Tags, Attributes, <Hn>, <P>,
, <HR>, <SUP>, <SUB>, CSS.

21st Century Skill : Critical thinking, Creativity and Information Literacy

Activity: Create a webpage on the topic “Qualities of good citizen”.

Unit –8 (December)

Chapter 8: (Lists and Tables in HTML5) Creating Lists, Creating Tables.

Keywords:, , <DL>, <DD>, <TABLE>, CSS properties.

21st Century Skill : Critical thinking, Creativity and Art Integration

Activity: Create a table in HTML given on page no. 110 in the book.

Unit -9 (January)

Chapter-9: Conditional Statements in Python: Decision Making Statements.

Keywords: Conditional statements, if statement, if...else statement, Nested if statement, if...elif...else Ladder

21st Century Skill : Critical thinking, Creativity and Problem solving

Activity: Solve the Programs given on page no. 121 in the book.

Unit -10 (February)

Chapter-10: AI for SDGs: Sustainable Development Goals.

Keywords: Global Goals, AI, NASA.

21st Century Skill : Inter – Disciplinary ,Critical thinking, Creativity and Information Literacy

Activity: Write the 17 SDGs in Word. Surf the Internet and gather more data on SDGs.

Targeted Skills: Computational Thinking, interlink education with art and culture, learning by doing, Skill development, Problem solving, Imagination to generate new ideas. Understanding, Analytical and appreciate the varied uses of computers and its vast applications. The students are made aware about the merits and demerits of the technology.

Subject : Art & Craft

ASSESSMENT FOR UNIT TESTS (20 MARKS)

- Accuracy 5 marks
- Colour Scheme 5 marks
- Neatness 5 marks
- Composition 5 marks

ASSESSMENT FOR TERMINAL/ANNUAL EXAMINATION (25 MARKS)

- Elements 5 marks
- Accuracy 5 marks
- Colour Scheme 5 marks
- Neatness 5 marks
- Composition 5 marks

TERM-I

UNIT- 1 (APRIL)

- Nature study
- Optical Art

Activities: Stone Painting, silhouette painting

21st century skills creativity, imagination

UNIT- 2 (MAY)

- Earth day Poster
- Draw tools that belongs to Certain profession

Activities: Best out of Waste, Paper bag
21st century skills- Self-Awareness, Imagination

UNIT-3 (JULY)

- Poster on energy Conservation
- My school

Activities-Worli Art,
21st century skills-Visualization ,creativity

UNIT-4 (AUGUST)

- Red Fort scene
- Poster on Independence Day
- Activities Rakhi making
- 21st century skills- Self-Awareness, Imagination

UNIT-5 (SEPTEMBER)

- Market Scene
- Activity** – Poster on social problem
21st century skills- Creativity, Imagination

TERM -2

UNIT-6 (OCTOBER)

Abstract Animal Painting
Dussehrea scene

Activities-Mandala Art,

21st century skills- Knowledge of material, Symmetry,

UNIT-7 (NOVEMBER)

Diwali Scene

Logo Designing

Activity- Snowflake star with Paper

21st century skills- Imagination and Creativity

UNIT-8 (DECEMBER)

o Poster on Wildlife Conservation

Activity- Christmas Craft

21st century skills- Ability to work

UNIT-9 (JANUARY)

- Story Illustration
- Calligraphy

Activity- Cardboard recycle in Craft

21st century skills- Learning Skills

Unit -10 (FEBRUARY)

- o Study of Different Birds
- o Holi Scene

Activity – Pot painting

21st century skills- Composition skill, Perspective, Balance, Harmony

TARGETED SKILLS :- Understanding of Media, techniques and Process through the use of drawing ,painting and mix media.

Subject : Music/Dance

TERM-I

Activity

1. Basic knowledge of teen Taal and feet movement
2. Shabad
3. Patriotic dance
4. Prayer
5. The choreographic element to be taught
6. Seven basic Alankars
7. Bhasha Sangam Activity with different dance forms
8. Knowledge of Ragas
9. Western dance
10. English song
11. Talent Hunt
12. Art- integrated activity with dance
13. Independence day celebration
14. Celebration of different festivals such as Janmashtmi, Christmas, Diwali etc. with the help of dance forms.

Learning skills-Teamwork, focus, improvisational skills and confidence

Targeted Skills (21st century skills)-- Creativity, communication and collaboration

Term – 2

October to March

Activity

1. Art Integrated Activity with dance
2. Shabad
3. Semi classical dance
4. Basic knowledge of Harmonium
5. Folk dances
6. Teach to perform a dance story using these body movement
7. Basic knowledge of Sawars
8. Explained and taught how hand gestures to be used in the choreography
9. Patriotic song
10. Western dance
11. Republic day celebration
12. Art – integrated activity with paired state

Learning skills --- Building self- image , self- awareness and self- direction.

Targeted Skills (21st century skills) ---Citizenship creativity and collaboration.

Student will maintain a note book for dance Video clipping to be shown through laptop on the smart boards The annual function will be organised annually Grades will be given on the basis of performance, expression, confidence and creativity .

Subject : Physical Education

TERM-I

ACTIVITY: - Standing march-past, Commands (Right turn, Left turn, About turn), Dumbbell exercises.

Targeted Skills (21st Century skills):- Integrity, Self-direction.

ATHLETICS: - Races 100meter, Jumps (hurdle jump, standing broad jump), Obstacle races, Throws.

GAMES :- Badminton (Basic Gripping Technique, Serve, Footwork, Stance) Kho-Kho (running and chasing) Carrom board, chess, ludo.

YOGA:-Tadasana, Padmasana, Bhujangasana, Gomukhasana, Vrksasana, Anulom Vilom, Surya Namaskar.

TERM – II

ACTIVITY: - March-past, Commands (Right Turn, Left turn, About turn), Lazium exercises and Hoop formations.

Targeted Skills (21st Century skills):- Collaboration, Social Skills.

ATHLETICS:- Races 200 meter (Crouch start), Throws, Jumps (hurdle jump, standing broad jump, on the spot jumps) Relay race, Shuttle run, Hurdle race.

GAMES: - Volleyball (serving, forearm underhand passing, overhead passing blocking and defensive skills), Football (Passing, dribbling, shooting) Carrom board, chess, ludo.

YOGA: -Vajrasana, Dhanurasana, Chakraasana, Trikonasana, KapalBhati, Meditation, Surya Namaskar.

SPORTS DAY WILL BE ORGANIZED ANNUALLY.

GRADES WILL BE GIVEN ON THE BASIS OF DISCIPLINE AND PERFORMANCE OF THE CHILD.