

MAHARAJA AGRASEN MODEL SCHOOL
CD BLOCK, PITAMPURA, DELHI
MONTH WISE SYLLABUS BREAK UP FOR SESSION 2017-18
CLASS - VII
SUBJECT – ENGLISH

TEXTBOOKS

1. Success with Buzzword- literature reader- Communicative English for schools
Publisher- Orient Black Swan
2. Success with Buzzword- Main Course Book- Communicative English for schools
Publisher- Orient Black Swan
3. Enjoying Grammar
Publisher- Orient Black Swan
4. Supplementary Reader- The Three Musketeers
Author- Alexander Dumas

OBJECTIVES:

- The overall aims of teaching English Communicative are:
 - a) To enable the learner to communicate effectively and appropriately in real life situations.
 - b) To use English effectively for study purposes across the curriculum.
 - c) To develop and integrate the use of four language skill i.e- listening, speaking, reading and writing.
 - d) To develop interest in and appreciation of literature.
 - e) To revise and reinforce structures already learnt.
 - f) To express ideas in clear and grammatically correct English, using appropriate punctuation and cohesion devices.
 - g) To enable the students to understand, interpret , evaluate and respond to the following features in a literary text :
 - i. Character as revealed through appearance, background, actions, expressions, etc.
 - ii. Plot/ story/ theme, emerging through main events.
 - iii. Setting, as seen through time and place.
 - iv. Form.
 - h) To include a novel/ long reading text to encourage class room interaction, reduce teacher's talking time, class discussion, etc.

OBJECTIVES OF ASSESSMENT FOR LISTENING SKILL

Enabling learners to:

- a) Understand a range of genres and contexts of spoken English including academic, personal and social aspect.
- b) Understand detailed information for a purpose.
- c) Understand and interpret a range of features of the given context.
- d) Understand the topic and the main points and also distinguish the main points from the details.
- e)

OBJECTIVES OF ASSESSMENT FOR SPEAKING SKILL.

Enabling the learners to :

- a) Express and respond to personal feelings and opinions.
- b) Present oral reports or summaries; narrate incidents or events.
- c) Present, adopt different strategies to convey ideas according to purpose, topic and audience, and to frame questions so as to elicit desired response.
- d) Take part in group discussions, summaries ideas, elicit views of others, express and argue a point of view clearly.
- e) Participate in spontaneous spoken course.

MONTH WISE SYLLABUS BREAKUP

APRIL (24)

- Lesson:1 Secrets (Literature)
- Lesson:4 Daybreak (Literature)
- Objects and Complements, Articles, Determiners (Grammar)
- Informal Letter (Writing)
- Diary Entry (Writing)
- Unit 1- (M.C.B)
- Revisions

MAY(10)

- Tenses/ Simple Present Tense (Grammar)
- Present Continuous Tense (Grammar)
- Simple Past Tense (Grammar)
- Past Continuous Tense (Grammar)
- Supplementary Reader: L:1- 3

JULY (23)

- Lesson:2 The Reader Of Books (Literature)
- Lesson: 6 The Blue Umbrella (Literature)
- E- mail (Writing)
- Verbs: Transitive and Intransitive (Grammar)
- Present Perfect Tense (Grammar)
- Present Perfect Continuous (Grammar)
- Simple Past Tense (Grammar)
- Unit – 2 (MCB)
- Supplementary Reader: L- 4, L-5

AUGUST (24)

- Lesson:5 Wild Duck (Literature)
- Lesson:11 Les Balloons (Literature)
- Lesson :3 The Secret Garden (Literature)
- Punctuations (Grammar)
- Prepositions (Grammar)
- Message(Writing)
- Unit – 3, 4 (MCB)
- Supplementary Reader: L-6, L-7

SEPTEMBER (12)

- Unit – 5 (MCB)
 - Revisions
- MID TERM EXAMINATION

OCTOBER (18)

- Lesson:7 The Gift (Literature)
- Lesson: 9 Palanquin Bearers (Literature)
- Infinitives (Grammar)
- Gerunds (Grammar)
- Unit – 6 (MCB)
- Supplementary Reader: L-8

NOVEMBER (23)

- Lesson:15 A Character (Literature)
- Revisions
- Writing a Process (Writing)
- Application (Writing)
- Modals (Grammar)
- Conjunctions (Grammar)
- Supplementary Reader: L-9, L-10

DECEMBER (22)

- Lesson:13 The Tale of Custard the Dragon (Literature)
- Lesson: 12 King Lear (Literature)
- Lesson :10 The Apple Tree(Literature)
- Unit – 7 (MCB)
- Letter to the Editor (Writing)
- Notice (Writing)
- Active- Passive Voice (Grammar)
- Reported Speech (Grammar)
- Supplementary Reader: L- 11, L- 12

JANUARY (14)

- Lesson: 14 The Princess Swan (Literature)
- Report (Writing)
- Integrated Grammar Practices (Grammar)
- Rearrangement of Jumbled Words (Grammar)
- Expressing Future (Grammar)
- Supplementary Reader: L-13, L-14, L-15

FEBRUARY (22)

- Report (Writing)
- Integrated Grammar Practices (Grammar)
- Rearrangement of Jumbled Words (Grammar)
- Revisions

MARCH (6)

- **Revisions for Annual Examination**

TERM WISE SYLLABUS BREAK- UP

PERIODIC TEST: 1

- Comprehension
- Lesson: 1 Secrets.(Literature)
- Lesson: 4 Daybreak (Literature)
- Informal Letter (Writing)
- Diary Entry (Writing)
- Objects and Complements, Articles, Determiners (Grammar)
- Three Musketeers (Novel)

MID TERM EXAMINATION

- Comprehension
- Lesson : 3 The Secret Garden (Literature)
- Lesson:1 Secrets (Literature)
- Lesson: 6 The Blue Umbrella (Literature)
- Lesson:5 Wild Duck (Literature)
- Lesson:11 Les Balloons(Literature)
- Diary Writing (Writing)
- E-mail (Writing)
- Message (Writing)
- Informal Letter (Writing)
- Punctuations (Grammar)
- Prepositions (Grammar)
- Tenses/ Simple Present Tense (Grammar)
- Present Continuous Tense (Grammar)
- Past Continuous Tense (Grammar)

- Present Perfect Tense (Grammar)
- Present Perfect Continuous (Grammar)
- Simple Past Tense (Grammar)
- Verbs: Transitive and Intransitive (Grammar)
- Supplementary Reader: Lessons:1-7

PERIODIC TEST: 2

- Comprehension
- Lesson:7 The Gift (Literature)
- Lesson: 9 Palanquin Bearers (Literature)
- Informal letter (Writing)
- Tenses (Grammar)
- Prepositions (Grammar)
- Infinitives (Grammar)
- Gerunds (Grammar)

ANNUAL EXAMINATION

- Comprehension
- Lesson:1 Secrets (Literature)
- Lesson: 4 Daybreak (Literature)
- Lesson: 9 Palanquin Bearers (Literature)
- Lesson: 10 The Apple Tree(Literature)
- Lesson:11 The Tale of Custard the Dragon (Literature)
- Lesson: 12 King Lear (Literature)
- Lesson: 13 The Princess Swan (Literature)
- Application (Writing)
- Notice (Writing)
- Letter to the Editor (Writing)
- Report (Writing)
- Writing a process (Writing)
- Modals (Grammar)
- Conjunctions (Grammar)
- Active- Passive Voice (Grammar)
- Reported Speech (Grammar)
- Integrated Grammar Practices (Grammar)
- Rearrangement of Jumbled Words (Grammar)
- Expressing Future (Grammar)
- Supplementary Reader: Lessons 8-15

विषय - हिन्दी

पाठ्यपुस्तक - वसंत - NCERT
बाल महाभारत - NCERT
मैं और मेरा व्याकरण - सरस्वती प्रकाशन

शिक्षण उद्देश्य -

- मातृभाषा के ज्ञान द्वारा छात्रों को स्वतंत्र और मौखिक रूप से अपने विचारों को अभिव्यक्त करने के योग्य बनाना।
- छात्रों के शब्द कोष का विकास करना।
- विभिन्न विधाओं द्वारा कल्पनाशीलता, सृजनात्मक शक्ति का विकास करना।
- संचार के विभिन्न माध्यमों प्रिंट और इलेक्ट्रॉनिक में प्रयुक्त हिन्दी के विभिन्न रूपों को समझने की योग्यता का विकास करना।
- हिन्दी के साहित्य, अखबार व पत्रिकाओं को पढ़कर समझ पाना और उसका आनंद उठाने के योग्य बनाना।

महीना	पाठ्य पुस्तक		व्याकरण
अप्रैल तथा मई	वसंत	पाठ-1 हम पंछी उन्मुक्त गगन के	पाठ-1 भाषा विचार
		पाठ-2 दादी माँ	पाठ-2 वर्ण विचार
	महाभारत	परिचय	
	वसंत	पाठ-3 हिमालय की बेटियाँ	पाठ-4 शब्द विचार
	महाभारत	पाठ-1 से 5 तक	पर्यायवाची शब्द, विलोम शब्द, श्रुतिसम भिन्नार्थक, अनेक शब्दों के लिए एक शब्द, मुहावरे, लोकोक्तियाँ, अनौपचारिक पत्र, अनुच्छेद, अपठित गद्यांश

महीना	पाठ्य पुस्तक		व्याकरण
जुलाई	वसंत	पाठ-4 कठपुतली	पाठ-3 संधि
		पाठ-5 मिठाई वाला	पाठ-11 उपसर्ग
			पाठ-12 प्रत्यय
	महाभारत	पाठ-6 से 10 तक	पर्यायवाची, विलोम शब्द, श्रुतिसम भिन्नार्थक, अनेक शब्दों के लिए एक शब्द, मुहावरे, लोकोक्तियाँ
			अनौपचारिक पत्र, अनुच्छेद, अपठित काव्यांश
रचनात्मक अभिव्यक्ति - परियोजना कार्य			
अगस्त	वसंत	पाठ-8 शाम एक किसान	संज्ञा, लिंग, वचन, कारक, मुहावरे, लोकोक्तियाँ, चित्र वर्णन
	महाभारत	पाठ-11 से 20 तक	
सितम्बर	पुनरावृत्ति तथा अर्द्धवार्षिक परीक्षा		
सितम्बर तथा अक्टूबर	वसंत	पाठ-11 रहीम के दोहे	सर्वनाम, विशेषण
		पाठ-12 कंचा	
	महाभारत	पाठ-21 से 25 तक	
रचनात्मक अभिव्यक्ति - कविता वाचन			
नवंबर	वसंत	पाठ-13 एक तिनका	पर्यायवाची शब्द, विलोम शब्द, अनेक शब्दों के लिए एक शब्द, श्रुतिसम भिन्नार्थक, मुहावरे, लोकोक्तियाँ, औपचारिक पत्र, अनुच्छेद
	महाभारत	पाठ-26 से 30 तक	
दिसंबर	वसंत	पाठ-14 खान-पान की बदलती तस्वीर	पाठ-20 क्रिया
		पाठ-15 नीलकंठ	पाठ-21 काल
			पाठ-22 क्रिया विशेषण
	महाभारत	पाठ-31 से 35 तक	पाठ-23 संबंध बोधक
			पाठ-24 समुच्चयबोधक
		पाठ-25 विस्मयादिबोधक	

			पर्यायवाची शब्द, विलोम शब्द, अनेक शब्दों के लिए एक शब्द, श्रुतिसम भिन्नार्थक, मुहावरे, लोकोक्तियाँ, औपचारिक पत्र, अनुच्छेद
रचनात्मक अभिव्यक्ति - कहानी वाचन			

महीना	पाठ्य पुस्तक		व्याकरण
जनवरी	वसंत	पाठ-16 भोर और बरखा	पाठ-26 वाक्य - विचार
			पाठ-27 अशुद्ध वाक्यों का संशोधन
			पाठ-28 विराम चिह्न
			पाठ-29 मुहावरे
			पाठ-29 लोकोक्तियाँ
			पत्र, अनुच्छेद
फरवरी	वसंत	पाठ-18 संघर्ष के कारण मैं तुनक मिज़ाज हो गया : धनराज	अनौपचारिक पत्र, अनुच्छेद, पर्यायवाची, अनेकार्थक, भिन्नार्थक, मुहावरे, लोकोक्तियाँ
	महाभारत	पाठ-36 से 40 तक	
पुनरावृत्ति			
मार्च	वार्षिक परीक्षा		

परीक्षा	पाठ्यक्रम	
सामयिक परीक्षा - I	वसंत	पाठ-1 हम पंछी उन्मुक्त गगन के
		पाठ-2 दादी माँ
	व्याकरण	पाठ 1 - भाषा विचार
		पाठ 2 - वर्ण विचार, अपठित गद्यांश
		मुहावरे 1 से 14
		लोकोक्तियाँ 1 से 7
		पर्यायवाची 1 से 13
		विलोम शब्द 1 से 28
		अनेकार्थक 1 से 9
		श्रुतिसम भिन्नार्थक 1 से 10
अनेक शब्दों के स्थान पर अनेक शब्द 1 से 12		
अर्द्धवार्षिक परीक्षा	वसंत	पाठ-1 हम पंछी उन्मुक्त गगन के
		पाठ-2 दादी माँ
		पाठ-3 हिमालय की बेटियाँ
		पाठ-4 कठपुतली
		पाठ-5 मिठाई वाला
		पाठ-8 शाम एक किसान
	महाभारत	पाठ-1 से 20 तक
	व्याकरण	पाठ-1 भाषा विचार, पाठ-2 वर्ण विचार, पाठ-3 संधि, पाठ-4 शब्द विचार, पाठ-11 उपसर्ग, पाठ-12 प्रत्यय, पाठ-14 संज्ञा, पाठ-15 लिंग, पाठ-16 वचन, पाठ-17 कारक, पत्र, अनुच्छेद, अपठित गद्यांश तथा पद्यांश
		मुहावरे 15 से 28
		लोकोक्तियाँ 8 से 14
		पर्यायवाची 13 से 26
		विलोम शब्द 29 से 56
		अनेकार्थक 10 से 18
	श्रुतिसम भिन्नार्थक 11 से 20	

अनेक शब्दों के स्थान पर एक शब्द 13 से 26

परीक्षा	पाठ्यक्रम	
सोमवार परीक्षा - II	वसंत	पाठ-11 रहीम के दोहे
		पाठ-12 कंचा
		पाठ-13 एक तिनका
	व्याकरण	पाठ 18 - सर्वनाम
		पाठ 19 - विशेषण
		मुहावरे 29 से 42
		लोकोक्तियाँ 15 से 21
		पर्यायवाची 27 से 39
		विलोम शब्द 57 से 84
		अनेकार्थक 19 से 28
		श्रुतिसम भिन्नार्थक 21 से 30
		अनेक शब्दों के स्थान पर एक शब्द 27 से 36
		अपठित गद्यांश
वार्षिक परीक्षा	वसंत	पाठ-11 रहीम के दोहे
		पाठ-12 कंचा
		पाठ-13 एक तिनका
		पाठ-14 खान-पान की बदलती तस्वीर
		पाठ-15 नीलकंठ
		पाठ-16 भोर और बरखा
		पाठ-18 संघर्ष के कारण मैं तुनक मिज़ाज हो गया : धनराज
	महाभारत	पाठ-21 से 40 तक
	व्याकरण	पाठ-20 क्रिया, पाठ-21 काल, पाठ-22 क्रिया विशेषण, पाठ-23 संबंध बोधक, पाठ-24 समुच्चय बोधक, पाठ-25 विस्मयादि बोधक, पाठ-26 निपात, औपचारिक पत्र, अनुच्छेद, अपठित काव्यांश तथा गद्यांश, विज्ञापन लेखन, चित्र लेखन, संवाद लेखन, पत्र, अनुच्छेद, अपठित गद्यांश तथा पद्यांश, वर्ण-विचार, संधि

	मुहावरे 43 से 57
	लोकोक्तियाँ 22 से 30
	पर्यायवाची 40 से 52
	विलोम शब्द 85 से 111
	अनेकार्थक 29 से 38
	श्रुतिसम भिन्नार्थक 31 से 40
	अनेक शब्दों के स्थान पर एक शब्द 37 से 50

विषय - संस्कृत

पाठ्यपुस्तक - नव रुचिरा भाग - 2 (Blue Orchid Publisher)

शिक्षण उद्देश्य -

- छात्रों को संस्कृत पठन, वाचन तथा विचारों की अभिव्यक्ति के लिए प्रेरित करना।
- विश्वबन्धुत्व की भावना को जागृत करना।
- श्लोकोच्चारण करना सिखाना।
- भारतीय संस्कृति से अवगत कराना।
- संस्कृत भाषा के महत्त्व का ज्ञान कराना।

महीना	पाठ्य पुस्तक		व्याकरण
अप्रैल	पाठ-1	गणेश चतुर्थी	शब्दरूप - बालक, फल, लता
	पाठ-2	लोभस्य परिणामः	धातुरूप - पठ्, गम्, भू (लट् व लृट् लकार)
			संख्या - 1 से 25 तक
मई			सन्धि - स्वरसन्धिः, दीर्घसन्धिः
			अपठित अवबोधनम्, पत्र लेखनम्, चित्र वर्णनम्
जुलाई	पाठ-3	नीतिश्लोकाः	शब्दरूप - मुनि, साधु, मति
	पाठ-4	प्रदूषणम्	उपपद विभक्तिः - द्वितीया, तृतीया, चतुर्थी
	सामयिक परीक्षा - I विषय संवर्धनम् - परियोजना कार्यम्		
अगस्त	पाठ-5	अन्तरिक्ष यात्रा	पत्रलेखनम्, चित्रवर्णनम्
	पाठ-6	दीपावलिः	धातुरूप - पठ्, गम्, भू, लिख्, अस्, पा (लङ् लकार)
			प्रत्यय - क्त्वा, ल्यप्, अव्यय
सितम्बर	अर्द्धवार्षिक परीक्षा		

महीना	पाठ्य पुस्तक		व्याकरण
अक्टूबर	पाठ-7	पुनर्मूषको भव	अपठितअवबोधनम्, पत्रलेखनम्
	पाठ-8	सूक्तयः	
नवम्बर	पाठ-9	गणतन्त्रदिवसस्य समारोहः	शब्दरूप - नदी, अस्मद्, युष्मद्
			धातुरूप - पठ्, गम्, लिख् (लोट तथा विधिलिङ् लकार)
दिसम्बर	पाठ-10	सुदामा-श्रीकृष्णयोः मित्रता	सन्धिः - गुणसन्धि
			संख्या - 26 से 40 तक
			चित्र वर्णनम्
			शब्दरूप - तद् (तीनों लिंग)
			धातुरूप - भू, अस्, पा (लोट् तथा विधिलिङ् लकार)
	सामयिक परीक्षा - II विषय संवर्धनम् - रचनात्मक कार्यम्		
जनवरी	पाठ-11	आचार्यः चाणक्यः	उपपदविभक्तिः - पंचमी, षष्ठी, सप्तमी
			अव्यय
			संख्या - 41 से 50 तक
			प्रत्यय - तुमुन्
फरवरी	पाठ-12	चतुरः वानरः	अपठित अवबोधनम्, पत्र लेखनम्, चित्रवर्णनम्
मार्च	वार्षिक परीक्षा		

परीक्षा	पाठ्य पुस्तक		व्याकरण
सामयिक परीक्षा - I	पाठ-1	गणेश-चतुर्थी	शब्दरूप - बालक, फल, लता
	पाठ-2	लोभस्य परिणामः	धातुरूप - पठ्, गम्, भू (लट् व लृट् लकार)
			सन्धिः - स्वरसन्धिः - दीर्घ
			संख्या - 1 से 25 तक
			अपठित बोधनम्, चित्रवर्णनम्
अर्द्धवार्षिक परीक्षा	पाठ-3	नीतिश्लोकाः	शब्दरूप - बालक, फल, मुनि, साधु, लता, मति
	पाठ-4	प्रदूषणम्	धातुरूप - पठ्, गम्, लिख्, भू, पा, अस् (लट् लृट् व लङ् लकार)
	पाठ-5	अन्तरिक्ष यात्रा	सन्धिः - स्वर सन्धिः - दीर्घ
	पाठ-6	दीपावलिः	संख्या - 1 से 25 तक
			उपपदविभक्तिः - द्वितीया, तृतीया, चतुर्थी
			प्रत्यय - क्त्वा, ल्यप्
			अव्ययानि
			अपठित अवबोधनम्, पत्रलेखनम्, चित्रवर्णनम्
सामयिक परीक्षा - II	पाठ-7	पुनर्मूषको भव	शब्दरूप - नदी, अस्मद्, युष्मद्
	पाठ-8	सूक्तयः	धातुरूप - पठ्, गम्, लिख्, (लोट् तथा विधिलिङ् लकार)
			सन्धि - स्वर - गुणसन्धि
			संख्या - 26 से 40 तक
			अपठित अवबोधनम्, पत्रलेखनम्
वार्षिक परीक्षा	पाठ-3	नीतिश्लोकाः	शब्दरूप - नदी, अस्मद्, युष्मद्, तत्, बालक (तीनों लिंगों में)
	पाठ-8	सूक्तयः	
	पाठ-9	गणतन्त्रदिवसस्य समारोहः	धातुरूप - पठ्, गम्, लिख्, भू, अस्, पा (लट्, लृट्, लोट् तथा विधिलिङ् लकार)
	पाठ-10	सुदामा- श्रीकृष्णयोः मित्रता	सन्धिः - स्वर - गुण सन्धिः संख्या - 1 से 50 तक
	पाठ-11	आचार्यः चाणक्यः	प्रत्यय - तुमुन्

		उपपदविभक्ति: - पंचमी, षष्ठी, सप्तमी
पाठ-12	चतुर: वानर:	अव्यय, अपठित अवबोधनम्, पत्रलेखनम्, चित्रवर्णनम्

SUBJECT - GERMAN

OBJECTIVES

- Students learn how to speak and ask simple questions in classroom.
- They learn german culture.
- Writing small paragraphs, birthday invitation and replying.

Textbooks

- WirKursbuch und Arbeitsbuch.

April

- Modul 3. Lektion 1 – Was isst du in der Pause? To tell about eating habits
To ask others to eat and drink something To ask the cost of the things
Negative sentences

May

- Modul 3. Lektion 2 – MeineSchulsachen To talk in classroom
To ask other students if the have pencil, eraser etc. To tell about their favourite subjects
Weekdays and to ask what do they do on particular day
- Modul 3. Lektion 3 – Was gibt es im Fernsehen?
To ask what, when and for how much time do you watch in television? To ask others their favourite programs and replying the same
How do you find films, cartoons, news, sports programs etc.? Using new adjectives.

August

- Modul 3. Lektion 4 – Um wie viel Uhr stehst du auf? To ask time and replying for the same
Writing one's daily schedule

Making Akkusative questions and answers Using seperable verbs in sentences

September

- Revision for Mid term Examination

October

- Modul 4. Lektion 1 – Kannst du inlineskatzen?
To ask about others hobby and replying for the same Using Modal Verbs
Possessive pronoun

November

- Modul 4. Lektion 2 – Wohin fährst du in Urlaub? Preposition with particular places
Seasons, Months and its preposition Weather
Akkusative sentences

December

- Modul 4. Lektion 3 – Alles Gute zum Geburtstag
To ask about the birthdays and replying for the same Birth years in words

January

- Modul 4. Lektion 3 – Alles Gute zum Geburtstag
Imperatives
Akkusative preposition and personal pronoun

February

- REVISION FOR ANNUAL EXAMINATION

March

- Examination

EXAM WISE SYLLABUS BREAK UP

PERIODIC TEST 1

Modul 3. Lektion 1 – Was isst du in der Pause?
Modul 3. Lektion 2 – Meine Schulsachen

MIDTERM EXAMINATION

Modul 3. Lektion 1 – Was isst du in der Pause?
Modul 3. Lektion 2 – MeineSchulsachen
Modul 3. Lektion 3 – Was gibt es im Fernsehen?
Modul 3. Lektion 4 – Um wie viel Uhr stehst du auf?

PERIODIC TEST 2

Modul 4. Lektion 1 – Kannst du inlineskaten?
Modul 4. Lektion 2 – Wohin fährst du in Urlaub?

ANNUAL EXAMINATION

Modul 3. Lektion 1 – Was isst du in der Pause?
Modul 4. Lektion 1 – Kannst du inlineskaten?
Modul 4. Lektion 2 – Wohin fährst du in Urlaub?
Modul 4. Lektion 3 – Alles Gute zum Geburtstag

SUBJECT- MATHEMATICS

OBJECTIVES

Mathematics teaching aims to realize the following general objectives. It enables the learners:

- To enable the student to make use of the learning in Mathematics in their day to day life.
- To develop their intellectual powers and disciplining their minds.
- To develop their aesthetic abilities, meet their varying interest and help them in the task of utilization
- of their leisure time.
- To help them in imbibing essential social and moral virtues.
- To prepare for the future vocation or occupation.
- To help in the study of other subjects and future learning in mathematics.
- To make them understand the contribution of mathematics in the development of culture and civilization.
- To give them insight to recognize relationships between different branches and topics of mathematics.
- To help them in becoming self-dependent for mastering new topics and problems of mathematics.

Text Books:

Mathematics for class VII – NCERT publication.

Reference Book

Chapter-wise assignments

MONTHWISE SYLLABUS BREAK UP

APRIL

UNIT 1: INTEGERS

- Presenting integers on number line.
- Properties of addition and subtraction of Integers.
- Multiplication of Integers.
- Properties of multiplication of Integers.
- Division of Integers.
- Properties of division of Integers

UNIT 2: FRACTIONS AND DECIMALS

- Types of Fractions.
- Multiplication of Fractions.
- Division of Fractions.
- Decimal numbers.
- Multiplication of decimal numbers.
- Division of decimal numbers

MAY

UNIT 14: SYMMETRY

- Concept of Symmetry.
- Lines of Symmetry for Regular Polygons.
- Concept of Mirror Reflection.
- Meaning of Rotational Symmetry.
- Order of Rotational Symmetry.
- Line Symmetry and Rotational Symmetry

UNIT 10: VISUALISING SOLID SHAPES

- Introduction of Plane figure and Solid Shapes.
- Faces, Edges and Vertices of Solid Shapes.
- Nets for Building 3-D Shapes.
- Drawing solids on a Flat Surface
 1. Oblique Sketches.
 2. Isometric Sketches.
- Viewing Different sections of solid
 1. By Cutting or Slicing.
 2. By Shadow Play.
 3. By looking at it from certain angles to get different views (Top, Side, Front Views)

PERIODIC TEST 1: UNIT 1: INTEGERS

UNIT 2: FRACTIONS AND DECIMALS

JULY

UNIT 9: RATIONAL NUMBERS

- Need for rational numbers.
- What are rational numbers?
- Positive and negative rational numbers.
- Presenting rational numbers on a number line.
- Standard form of rational numbers.
- Find rational numbers between two rational number.
- Operation on rational numbers: Addition, subtraction, multiplication, division.

UNIT 12: ALGEBRAIC EXPRESSIONS

- Meaning of Algebraic Expressions

- How are Expressions Formed?
- Terms of an Expression.
- Concept of Coefficient.
- Like and Unlike terms.
- Monomials, Binomials, Trinomials and Polynomials
- Addition and Subtraction of Algebraic Expressions.
- Finding the value of an Expression.
- Using Algebraic Expressions in Formulas and rules.

AUGUST

UNIT 4: SIMPLE EQUATIONS

- Meaning of an Equation.
- Setting up of an Equation.
- Solving an Equation.
- 1.By Systematic Method.
- 2.By Transposition Method.
- 3.By Trial and Error Method
- Forming Equations from solutions.
- Applications of Simple Equations to Practical Situations.

UNIT 5: LINES AND ANGLES

- Recall the concept of line segment, line and ray.
- Related angles
- Complementary Angles
- Supplementary Angles
- Adjacent Angles
- Vertically Opposite Angles
- Linear Pair
- Pair of lines
- Intersecting Lines
- Transversal Line
- Angles made by Transversal
- Transversal of parallel lines
- Checking for parallel lines.

SEPTEMBER

Revision of MID TERM EXAMINATION Syllabus: (UNIT-1, 2, 4, 5, 9, 12,14, 15)
MID TERM EXAMINATION

TERM-2

OCTOBER

UNIT 8: COMPARING QUANTITIES

- How to Compare Quantities?
- Ratio- A way of Comparing Quantities.
- Concept of Equivalent Ratios.
- Concept of Unitary Method.
- Percentage – Another way of Comparing Quantities.
- Meaning of Percentage.
- Conversions related to percentage.
- Use of Percentages.
- Prices related to an Item or Buying and selling.
- Charge given on Borrowed money or Simple Interest
- Percentage- Another way of comparing Quantities.

- Meaning of Percentage.
- Conversions of Percentage.
- Use of Percentages.
- Prices related to an item or Buying and Selling.
- Charge given on Borrowed money or Simple Interest.

NOVEMBER

UNIT 6: TRIANGLE AND ITS PROPERTIES

- Definition of triangle.
- Triangle based on sides and angles.
- Median of a triangle.
- Altitudes of a triangle
- Exterior angle of a triangle and its properties.
- Angle sum property of a triangle.
- Properties of Equilateral and Isosceles.
- Property based on sum of length of two sides of triangle.
- Right – Angled Triangles and Pythagoras Property.

UNIT 7: CONGRUENCE OF TRIANGLE

- Meaning of Congruence.
- Congruence of
 - plane Figures.
 - line Segments.
 - angles.
- Congruence of Triangles.
- Criteria for Congruence of Triangles.
 - SSS Criterion.
 - SAS Criterion.
 - ASA Criterion.
 - AAA Criterion
 - RHS Criterion (Congruence among Right- Angled Triangles.)

PERIODIC TEST 2: UNIT 8: COMPAIRING QUANTITIES UNIT 7: CONGRUENCE OF TRIANGLES

DECEMBER

UNIT 15: PRACTICAL GEOMETRY

- Construction of:
 1. Line Parallel to a given Line though a point not on the line.
 2. Triangle when the lengths of its three sides are known (SSS Criterion).
 3. Triangle when the lengths of two Sides and the measure of angle between them are known (SAS Criterion)
 4. Triangle when the measure of two of its angles and the length of the side included between them is given (ASA Criterion)
 5. Right - Angled Triangle when the length of one leg and its hypotenuse are given (RHS Criterion).

UNIT 11: PERIMETER AND AREA

- Area and Perimeter of Squares and Rectangles.
- Triangle as Parts of Rectangles.
- Area of a Parallelogram.
- Area of a Triangle.
- Circles and Circumference
- Area of a Circle.
- Conversions of Units.
- Applications of Mensuration to Practical situations.

JANUARY

UNIT 13: EXPONENTS AND POWERS

- Need and concept of exponent and powers.
- Laws of exponent.
- Decimal Number System.
- Expressing large number in the standard form.

FEBRUARY

UNIT 3: DATA HANDLING

- Collecting data.
- Organization of data.
- Representative values.
- Concept of Average.
- Arithmetic Mean and Range.
- Mode and calculating mode for large data.
- Concept of Median.
- Use of Bar Graphs with a different purpose.
- Chance and Probability.

REVISION OF UNITS: 3, 6, 7, 8, 10, 11, 13.

MARCH

Revision of ANNUAL EXAMINATION Syllabus (UNIT-3, 4, 6, 7, 8, 10, 11, 13, 15). ANNUAL EXAMINATION

EXAM WISE SULLABUS BREAK UP

PERIODIC TEST-I

UNIT 1: Integers

UNIT 3: Fractions and Decimals

MID TERM EXAMINATION

UNIT 1: Integers

UNIT 2: Fractions and Decimals

UNIT 4: Simple Equations

UNIT 5: Lines and Angles

UNIT 9: Rational Numbers

UNIT 12: Algebraic Expressions

UNIT 14: Symmetry

UNIT 15: Visualizing Solid Shapes

PERIODIC TEST 2

UNIT 7: Triangle and its properties

UNIT 8: Comparing Quantities

ANNUAL EXAMINATION

UNIT 3: Data Handling

UNIT 4: Simple Equations

UNIT 6: The Triangle and its Properties

UNIT 7: Congruence of Triangles

UNIT 8: Comparing Quantities

- UNIT 10:** Practical Geometry
- UNIT 11:** Perimeter and Area
- UNIT 13:** Exponents and Powers
- UNIT 15:** Visualizing Solid Shapes

SUBJECT-SCIENCE

MONTH WISE SYLLABUS BREAK UP

Science is a body of knowledge based on experiment, observation and inference, which is judgment based on evidence. Through science teaching, children are required to develop certain scientific ways of thinking as they work.

The subject of science plays an important role in developing well-defined abilities in cognitive, affective and psychomotor domains in children. It augments the spirit of enquiry, creativity, objectivity and aesthetic sensibility.

OBJECTIVES

Science teaching aims to realize the following general objectives. It enables the learners to

- know the facts and principles of science and its applications, consistent with the stage of cognitive development
- acquire the skills and understand the methods and processes that lead to generation and validation of scientific knowledge.
- develop intellectual and practical scientific skills.
- motivate to apply basic scientific principles in all sciences.
- acquire knowledge about health, environment and safety practices and behave accordingly.
- realize that some natural resources can be depleted and make them aware of the role of science in sustaining these resources.
- use scientific knowledge and skills in novel situations especially in everyday life.
- emphasize the role of scientists in the advancement of human kind.
- develop scientific curiosity and orientation towards scientific research.
- work independently and cooperatively in solving scientific problems.
- help the students to get acquainted with the impact of science over the environment surrounding them and to develop their interest in the study of science.
- develop scientific attitude among children.
- cultivate the habit of systematic and logical thinking.
- develop the habit and ability of drawing correct inferences out of the available facts and evidences.

TEXTBOOK FOR THE SESSION-2017-18

SCIENCE –TEXTBOOK FOR CLASS- VII-NCERT PUBLICATION

APRIL

CHAPTER-1 NUTRITION IN PLANTS

SUBTOPICS-Mode of nutrition in plants, photosynthesis-food making process in plants, other modes of nutrition in plants, saprotrophs, how nutrients are replenished in the soil?

CHAPTER-2 NUTRITION IN ANIMALS

SUBTOPICS- Different ways of taking food, digestion in humans, digestion in grass eating animals, feeding and digestion in amoeba

CHAPTER-4 HEAT

SUBTOPICS- Hot and cold, measuring temperature, laboratory thermometer, transfer of heat, kinds of clothes we wear in summer and winter

MAY

CHAPTER-8 WIND, STORMS AND CYCLONES

SUBTOPICS- Air exerts pressure, high speed winds are accompanied by reduced air pressure, air expands on heating, wind currents are generated due to uneven heating on the earth, thunderstorms and cyclones, destruction caused by cyclones, effective safety measures, advanced technology has helped

JULY

CHAPTER-3 FIBRE TO FABRIC

SUBTOPICS- Animal fibres- wool and silk, wool, animals that yield wool, processing fibre into wool, silk, life history of silk moth, from cocoon to silk.

CHAPTER-5 ACIDS, BASES AND SALTS

SUBTOPICS- Acids and bases, natural indicators around us, litmus-a natural dye, turmeric, china rose as indicator, neutralization, neutralization in everyday life.

CHAPTER-16 WATER: A PRECIOUS RESOURCE

SUBTOPICS- How much water is available, forms of water, groundwater as an important source of water, depletion of water table- increasing population, increasing agricultural activities, increasing industries, distribution of water, water management, what role you can play? , effect of water scarcity on plants.

PERIODIC TEST-1

CHAPTER 1 NUTRITION IN PLANTS

CHAPTER 2 NUTRITION IN ANIMALS

CHAPTER 4 HEAT

AUGUST

CHAPTER-7 WEATHER, CLIMATE AND ADAPTATIONS OF ANIMALS TO CLIMATE.

SUBTOPICS- Weather, climate, climate and adaptations, the polar regions- polar bear and penguins, the tropical rainforests- elephants, bird toucan, monkeys, lion tailed macaque, red eyed frog.

CHAPTER-18 WASTE WATER STORY

SUBTOPICS- Water-our lifeline, what is sewage? water freshens up- an eventful journey, treatment of polluted water, wastewater treatment plant, become an active citizen, better housekeeping practices, sanitation and disease, alternative arrangement for sewage disposal, sanitation at public places.

SEPTEMBER

REVISION FOR MID TERM EXAMINATION

MID TERM EXAMINATION

CHAPTER-9 SOIL

SUBTOPICS- Soil teeming with life, soil profile, soil types, properties of soil, percolation rate of water in soil, moisture in soil, absorption of water by soil, soil and crops.

OCTOBER

CHAPTER- 14 ELECTRIC CURRENT AND ITS EFFECTS

SUBTOPICS- Symbols of electric components, heating effect of electric current, electric fuse, magnetic effect of electric current, electromagnet, electric bell.

CHAPTER -6 PHYSICAL AND CHEMICAL CHANGES

SUBTOPICS-Changes around us, physical change, chemical change, rusting of iron, prevention of rusting, crystallization.

NOVEMBER

CHAPTER-10 RESPIRATION IN ORGANISMS

SUBTOPICS- Why do we respire? , breathing, how do we breathe? , what do we breathe out? , breathing in other animals, breathing in water, do plants also respire?

CHAPTER -11 TRANSPORTATION IN PLANTS AND ANIMALS

SUBTOPICS-Circulatory system-blood, blood vessels, heart, heartbeat, excretion in animals, excretory system in humans, transport of substances in plants, transport of water and minerals, transport of food, transpiration.

PERIODIC TEST 2

CHAPTER - 6 PHYSICAL AND CHEMICAL CHANGES

CHAPTER - 14 ELECTRIC CURRENT AND ITS EFFECTS

DECEMBER

CHAPTER -12 REPRODUCTION IN PLANTS

SUBTOPICS-Modes of reproduction, sexual reproduction, pollination, fertilization, fruit and seed formation, seed dispersal

CHAPTER -13 MOTION AND TIME

SUBTOPICS-Slow or fast, speed, measurement of time, units of time and speed, measuring speed, distance-time graph

JANUARY

CHAPTER -15 LIGHT

SUBTOPICS-Light travels along a straight line, reflection of light, lateral inversion, playing with spherical mirrors, images formed by lenses, sunlight-white or coloured?

FEBRUARY

CHAPTER -17 FOREST: OUR LIFELINE

SUBTOPICS-Visit to a forest, importance of forest, canopy, food chain, humus, decomposers, and forest as dynamic living entity

REVISION FOR ANNUAL EXAMINATION

MARCH

ANNUAL EXAMINATION

EXAM WISE SYLLABUS BREAK UP

PERIODIC TEST 1

CHAPTER -1 NUTRITION IN PLANTS

CHAPTER -2 NUTRITION IN ANIMALS

CHAPTER -4 HEAT

MID TERM EXAMINATION

CHAPTER-1 NUTRITION IN PLANTS

CHAPTER-2 NUTRITION IN ANIMALS

CHAPTER-3 FIBRE TO FABRIC

CHAPTER-4 HEAT

CHAPTER-5 ACIDS, BASES AND SALTS

CHAPTER-7 WEATHER, CLIMATE AND ADAPTATION OF ANIMALS TO CLIMATE

CHAPTER-8 WINDS, STORMS AND CYCLONES

CHAPTER-16 WATER: A PRECIOUS RESOURCE

CHAPTER-18 WASTEWATER STORY

PERIODIC TEST 2

CHAPTER - 6 PHYSICAL AND CHEMICAL CHANGES

CHAPTER - 14 ELECTRIC CURRENT AND ITS EFFECTS

ANNUAL EXAMINATION

CHAPTER-4 HEAT

CHAPTER-5 ACIDS, BASES AND SALTS

CHAPTER-6 PHYSICAL AND CHEMICAL CHANGES

CHAPTER-9 SOIL

CHAPTER-10 RESPIRATION IN ORGANISMS

CHAPTER-11 TRANSPORTATION IN ANIMALS AND PLANTS

CHAPTER-12 REPRODUCTION IN PLANTS

CHAPTER-13 MOTION AND TIME

CHAPTER-14 ELECTRIC CURRENT AND ITS EFFECTS

CHAPTER-15 LIGHT

CHAPTER-17 FOREST: OUR LIFELINE

SUBJECT- SOCIAL SCIENCE

TEXT BOOKS

History: Our Past-II

Civics: Social and Political Life -II

Geography: Our Environment

PUBLISHER: NCERT

OBJECTIVES:

1. To develop an understanding of the processes of change and development both in terms of time and space, through which human societies have evolved.
2. To make learners realise that the process of change is continuous and any event or phenomenon or issue cannot be viewed in isolation but in a wider context of time and space.
3. To help learners understand and cherish the values enshrined in the Indian Constitution and to prepare them for their roles and responsibilities as effective citizens of a Democratic society.
4. To facilitate the learners to understand and appreciate the diversity in the land and people of the country with its underlying unity.

5. To help the learners to understand our earth - its interior, environment and natural domains and to help them understand the internal and external forces those are changing our earth. Also, to help the learners to understand the nature of diverse flora and fauna, available on the earth.
6. To familiarize the learners with the factors that have contributed towards making today's world a global society. Also, to educate them about the diverse cultures those have developed in various parts of the world as an outcome of interaction between human beings and their environment.
7. To help the learners to understand interrelationship of natural and human environment and develop sensitivity towards environment.

MONTHWISE SYLLABUS BREAK UP

APRIL:

History: Chapter-1-Tracing changes through a thousand years.

Civics: Chapter-1-On equality

Geography: Chapter-1 Environment

MAY

History: Chapter-2-New kings and kingdoms

Geography: Chapter-2 Inside our earth

Civics: Chapter-2-Role of the government in health

JULY

History: Chapter-3-The Delhi Sultans

Civics: Chapter-3-How the state government works.

Geography: Chapter-3 –Our changing Earth

AUGUST

History: Chapter-4-The Mughal Empire

Civics: Chapter-4-Growing up as boys & girls

Geography: Chapter-4 – Air

Revision for Mid Term Examination

SEPTEMBER

REVISION FOR MID TERM EXAMINATION

History: Chapter-5-Rulers and buildings

Civics: Chapter-5-Women change the world

Geography: Chapter-5 – Water

OCTOBER

History: Chapter-6-Towns traders & crafts persons

Civics: Chapter-6-Understanding Media

Geography: Chapter-6 –Natural vegetation and wildlife

NOVEMBER

History: Chapter-7-Tribes, nomads & settled communities

Civics: Chapter-7-Understanding advertising

Geography: Chapter-7- Human Environment-Settlement, transport and communication

DECEMBER

History: Chapter-8-Devotional paths to the divine

Civics: Chapter-8-Markets around us

Geography: Chapter 8-Human environment interactions-the tropical and sub-tropical region

JANUARY

History: Chapter-9-The making of regional cultures

Civics: Chapter-9-A shirt in the market

Geography: Chapter-9 -Life in the temperate grasslands

FEBRUARY

History Chapter-10-18th century political formations Equality in Indian Democracy

Civics: Chapter-10-Struggle for equality

Geography: Chapter-10-Life in the deserts

Revision for Annual Examination

MARCH

Annual Examination

EXAMWISE SYLLABUS BREAKUP

PERIODIC TEST 1

History: Chapters 1, 2

Civics: Chapter 1, 2

Geography: Chapters 1, 2

MID TERM EXAMINATION

History: Chapters 1, 2, 3, 4 and 5

Civics: Chapters 1, 2, 3, 4 and 5

Geography: Chapters 1, 2, 3, 4 and 5

PERIODIC TEST 2

History: Chapters 6, 7

Civics: Chapters 6, 7

Geography: Chapters 6, 7

ANNUAL EXAMINATION

History: Chapters 1, 6, 7, 8, 9 and 10

Civics: Chapters 3, 6, 7, 8, 9 and 10

Geography: Chapters 4, 6, 7, 8, 9 and 10

SUBJECT - COMPUTER SCIENCE

Objective: It will focus on knowledge and skills to develop scientific attitude, use and application of such knowledge and skills to improve the quality of life and further use this learning to analyze, evaluate, synthesize, create, invent and discover.

Text Book: IT PLANET My Bits & Bytes Windows 8.1 & Office 2013 **7**

Author: Mr. Harsh Arora and Mr. Davinder Singh Minhas

Publisher: PMP Publishers Pvt Ltd.

Reference Book: NA

APRIL

Lesson 3: Advanced Features in MS- Excel

Subtopics:

- MS Excel
- Starting MS Excel
- Formula and Function
- Entering a Data
- Editing a Formula
- Using Average, Max and Min Functions
- Calculate your loan terms
- Optimize a result with goal seek
- Find Products and Square Roots
- Generating a Series
- Understand Database List
- Creating a Database List
- Editing Records
- Search for Records
- Sorting Records
- Filter Data with Autofilter

Lesson 4: Charts in MS- Excel

Subtopics:

- Charts in MS- Excel
- Types of Charts
- Components of Charts
- Creating a Chart
- Moving and Resizing a Chart

PRACTICAL: Designing Spreadsheets and Charts

MAY

Lesson 4: Charts in MS- Excel

Subtopics:

- Changing the Type of Chart
- Changing the Style of Chart
- Changing the Layout of Chart
- Adding Title to Chart
- Inserting SmartArt Chart

PRACTICAL: Designing Spreadsheets and Charts

JULY

REVISION for PeriodicTest 1

Periodic Test 1(Date: July, 2017)

Lesson 2: Number System

Subtopics:

- Binary System
- Number System

- Conversion to and from other number systems
 - Decimal to Binary Conversion
 - Binary to Decimal Conversion
- Bits and Bytes

PRACTICAL: Designing Spreadsheets and Charts

Lesson 5: Introduction to HTML

Subtopics:

- Introduction to HTML
- Features of HTML
- Understanding HTML elements
- HTML Version
- XHTML
- HTML Editors
- Web Browsers for HTML
- Reason for creating web pages
- Steps for creating web pages
- Viewing HTML code in a Browser

PRACTICAL: Designing WebPages

AUGUST

Lesson 5: Introduction to HTML

Subtopics:

- Reason for creating web pages
- Steps for creating web pages
- Viewing HTML code in a Browser

Lesson 6: More on HTML

Subtopics:

- HTML
- Understanding HTML Document Structure
- Creating and Saving A Web Page
- Basic HTML Tags
- Display Web Page in Web Browser
- Paragraph
- Formatting

PRACTICAL: Designing WebPages

Practical Exam of MS Excel

SEPTEMBER

REVISION for Mid Term Examination

Lesson 2: Number System

Lesson 5: Introduction to HTML

Lesson 6: More on HTML

Mid Term Examination (Date: September, 2017)

Lesson 7: Graphics, Links and Tables in HTML

Subtopics:

- HTML Tags
- Images in Web Pages
- Using Images

OCTOBER

Lesson 7: Graphics, Links and Tables in HTML

Subtopics:

- Adding Horizontal Rule
- Links
- Tables

Lesson 1: Computer Software

Subtopics:

- About Software
- Types of Software
- System Software
- Operating System
- Device Driver
- Utility Program

NOVEMBER

Lesson 1: Computer Software

Subtopics:

- Application Software
- General purpose
- Specific Purpose
- Software Suite

Lesson 9: Windows Movie Maker

Subtopics:

- Introduction
- Features and Functions of Windows Movie Maker
- Starting Windows Movie Maker
- Adding Photo, Video or Audio

- Importing Digital Files from External Devices
- Applying Transitions Effects
- Applying Visual Effects
- Adding Title, Caption and Credits
- Editing Media Clips
- Saving your Project
- Sharing your Project

PRACTICAL: Designing WebPages

DECEMBER

REVISION for PeriodicTest 2

Periodic Test 2 (Date: Dec, 2017)

Lesson 8: Introduction to MS Access

Subtopic:

- Database
- Components of MS Access
- Starting Access 2013
- Create a Blank Database
- Understand Access Window
- Create a Database using a template
- Opening a Database File

PRACTICAL: Designing Database

JANUARY

Lesson 10: Services of Internet

Subtopic:

- Internet
- Things you can do on the Internet
- World Wide Web
- Protect yourself on the web
- Entertainment on the web

PRACTICAL: Designing Database

Practical Exam of MS Access

FEBRUARY

Lesson 10: Services of Internet

Subtopic:

- Share photos on the web
- Web App
- Social Networking
- Blogging
- WhatsApp Messenger

- Video Conferencing
- FTP
- E-Commerce

Lesson 11: Computer Network

Subtopics:

- Computer Network
- Need for a Network
- Network User
- Server and Workstations
- Network Hardware
- Network Operating System
- Network Topology

PRACTICAL: Designing Database

REVISION for Annual Examination

Lesson 8: Introduction to MS Access
Lesson10: Services of Internet
Lesson 11: Computer Network

Annual Examination (Date: Mar, 2018)

TERM WISE SYLLABUS

Term	Syllabus	
PT1	Lesson :3 Lesson: 4	Advanced Features in MS Excel Charts in MS Excel
Mid Term Examination	Lesson: 5 Lesson: 6 Lesson: 2	Introduction to HTML More on HTML Number System
PT2	Lesson: 7 Lesson :1 Lesson:9	Graphics in HTML Computer system Windows Movie Maker
Annual Examination	Lesson :8 Lesson :10 Lesson :11	Introduction to MS Access Services of Internet Computer Network

