

Chinmay International School

Annual Syllabus Handbook – Grade 4



Academic Year
2026-27

ANNUAL ENGLISH SYLLABUS

Grade 4 | NEP 2020 & NCF 2023 Aligned

PRESCRIBED TEXTBOOKS

| S.No. | Book Title | Publisher |
|-------|--|-----------------|
| 1 | New Mylestone English Coursebook – Grade 4 Part A | S. Chand School |
| 2 | New Mylestone English Coursebook – Grade 4 Part B | S. Chand School |
| 3 | New Mylestone English Practice Book – Grade 4 | S. Chand School |
| 4 | P C Wren's Grammar – Class 4 (Updated Edition, NEP 2020) | S. Chand School |

 **EXAMINATION SCHEDULE 2026–27**

Chinmay International School — Classes IV

 **Periodic Test – 1**

| Date | Day | Subject |
|------------|-----------|------------------|
| 13-07-2026 | Monday | English |
| 15-07-2026 | Wednesday | Mathematics |
| 17-07-2026 | Friday | EVS |
| 20-07-2026 | Monday | Hindi |
| 22-07-2026 | Wednesday | Gujarati |
| 23-07-2026 | Thursday | Computer Science |
| 24-07-2026 | Friday | Art & Craft |

PTM: 01-08-2026 (Saturday) | Time: 09:00 am – 12:30 pm
 **Half-Yearly Examination**

| Date | Day | Subject |
|------------|-----------|------------------|
| 16-09-2026 | Wednesday | English |
| 18-09-2026 | Friday | Mathematics |
| 21-09-2026 | Monday | EVS |
| 23-09-2026 | Wednesday | Hindi |
| 25-09-2026 | Friday | Gujarati |
| 26-09-2026 | Saturday | Computer Science |
| 28-09-2026 | Monday | Art & Craft |

PTM: 10-10-2026 (Saturday) | Time: 09:00 am – 12:30 pm
 **Periodic Test – 2**

| Date | Day | Subject |
|------------|-----------|------------------|
| 07-12-2026 | Monday | English |
| 09-12-2026 | Wednesday | Mathematics |
| 11-12-2026 | Friday | EVS |
| 14-12-2026 | Monday | Hindi |
| 16-12-2026 | Wednesday | Gujarati |
| 17-12-2026 | Thursday | Computer Science |

| | | |
|------------|--------|-------------|
| 18-12-2026 | Friday | Art & Craft |
|------------|--------|-------------|

PTM: 26-12-2026 (Saturday) | Time: 09:00 am – 12:30 pm



Annual Examination

| Date | Day | Subject |
|-------------|------------|------------------|
| 01-03-2027 | Monday | English |
| 02-03-2027 | Tuesday | Mathematics |
| 03-03-2027 | Wednesday | EVS |
| 04-03-2027 | Thursday | Hindi |
| 05-03-2027 | Friday | Gujarati |
| 06-03-2027 | Saturday | Computer Science |
| 08-03-2027 | Monday | Art & Craft |

Open Day (Report Card Distribution): 21-03-2027 (Sunday) | Time: 07:30 am


TERM 1 SYLLABUS (April – September 2026)

Covers: Periodic Test 1 + Half-Yearly Examination


Coursebook – Grade 4 Part A (New Mylestone)

| Unit | Chapter | Title | Key Skills / Content |
|---|-------------------|--|--|
| Unit 1 Laughing Together | Ch. 1 | Clever Court Jesters (Prose) | Factual, Evaluative & Inferential Comprehension; Homophones; Nouns, Nominative events |
| | Ch. 2 | Nasreddin Hodja Feeds His Coat (Prose) | Factual & Evaluative Comprehension; One-word substitution; Articles (a, an, the) |
| | Ch. 3 | Laugh with Limericks (Poem) | Rhyme; Humour; Antonyms & Synonyms; Compound words, Homographs |
| | Beyond the Text 1 | Activity / Extension | Rhyme scheme, Write a story; Oxymoron; Questioning, Values |
| Unit 2 Raising Questions | Ch. 4 | The Story of William Tell (Prose) | Factual, Evaluative & Inferential; Synonyms; Pronouns: possessive, order of adjectives, action verbs |
| | Ch. 5 | The Emperor's New Clothes (Prose) | Humour; Adjectives; Word meanings in context; Compound words |
| | Ch. 6 | What If? (Poem) | Factual, Evaluative & Inferential; Rhyme; Write short essay |
| | Beyond the Text 2 | Activity / Extension | Rhetorical questions; Oxymoron; Cause-and-effect; Values & Skills |
| Unit 3 It's Fantastic! | Ch. 7 | Peter Rabbit Gets into Trouble (Prose) | Factual, Evaluative & Inferential; Word order; Gardening tools; Root words, prefixes, suffixes |
| | Ch. 8 | Moin Gets a Monster (Prose) | Factual, Evaluative & Inferential; Adjectives; Degrees of comparison |
| | Ch. 9 | Just Imagine (Poem) | Rhyme; Movement words; Word meanings; Collocations |
| | Beyond the Text 3 | Activity / Extension | Personification; Imagery; Write a story entry; Make a poster; Repetition |
| | Listening Text | Listening Activity | Listening comprehension exercises |

 **P C Wren's Grammar — Term 1 Chapters**

| Ch. | Topic | Key Concepts |
|------------|-------------------------------|--|
| 1 | Sentences | Definition, jumbled words |
| 2 | Subject and Predicate | Understanding subject/predicate, subject-verb-object |
| 3 | Sentence Types | Declarative sentences: assertive, negative |
| 4 | Questions | Changing declarative to questions, 'yes'/'no' answers |
| 5 | Commands | Making commands, changing to negative sentences |
| 6 | Parts of Speech | Noun, adverb, adjective, preposition, pronoun, conjunction, verb, interjection |
| 7 | Common & Proper Nouns | Understanding common and proper nouns |
| 8 | Abstract & Collective Nouns | Understanding abstract and collective nouns |
| 9 | Countable & Uncountable Nouns | Countable/uncountable nouns, measuring nouns |
| 10 | Nouns: Number | Rules for changing singular to plural forms |
| 11 | Nouns: Gender | Common and neuter nouns, formation of feminine nouns |
| RT1 | Revision Test 1 | Revision exercises — Units 1–11 |
| 12 | Adjectives | Adjectives of quality and quantity, adjectives from nouns |
| 13 | Degrees of Comparison | Positive, comparative, superlative; formation rules |
| 14 | Articles | Definite and indefinite articles: a, an, the |
| 15 | Pronouns | Personal pronouns — 1st, 2nd, 3rd person; singular/plural |

 **English Practice Book — Term 1**

| Ch. | Topic | Skills Practised |
|-----|---------------------|--|
| 1 | Sentences | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 2 | Subject & Predicate | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 3 | Sentence Types | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 4 | Questions | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |

| | | |
|----|-------------------------------|--|
| 5 | Commands | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 6 | Parts of Speech | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 7 | Common & Proper Nouns | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 8 | Abstract & Collective Nouns | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 9 | Countable & Uncountable Nouns | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 10 | Nouns: Number | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 11 | Nouns: Gender | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 12 | Adjectives | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 13 | Degrees of Comparison | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 14 | Articles | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 15 | Pronouns | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 16 | Comprehension (Unit 1–3) | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 17 | Paragraph Writing | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |
| 18 | Notice Writing | Structured exercises, gap-fills, rewriting, comprehension passages aligned to coursebook units |

 **TERM 2 SYLLABUS (October 2026 – March 2027)**

Covers: Periodic Test 2 + Annual Examination

 **Coursebook – Grade 4 Part B (New Milestone)**

| Unit | Chapter | Title | Key Skills / Content |
|--------------------------------|-------------------|--------------------------------|---|
| Unit 4 Grit & Glory | Ch. 10 | The Tree Huggers (Prose) | Factual, Evaluative & Inferential; Olympic sporting events; Acronyms; Conjunctions FANBOYS; Interjections |
| | Ch. 11 | Shooting for the Stars (Prose) | Factual, Evaluative & Inferential; Word meanings; Collocations; Adverbs of manner, place, degree; Question tag |
| | Ch. 12 | Try Again (Poem) | Rhyme; Synonyms; Words that are both nouns and verbs |
| | Beyond the Text 4 | Activity / Extension | Identify cause-and-effect; Summarise; Weather, climate, seasons; Repetition; Grit & determination; Values |
| Unit 5 Across the World | Ch. 13 | The Selfish Giant (Prose) | Factual, Evaluative & Inferential; Common Japanese words; Interpret dialogues |
| | Ch. 14 | Cuckoo Wants to Sing (Prose) | Factual, Evaluative & Inferential; Weather, climate, seasons; Analyse content with assumptions; Cultural topics |
| | Ch. 15 | Hello, Haiku (Poem) | Haiku; Common Japanese words; Simile; Write a structured paragraph |
| | Beyond the Text 5 | Activity / Extension | Geography — effects of appreciating other cultures; Discuss traditional craft from across the world |
| | Listening Text | Listening Activity | Listening comprehension exercises |

 **P C Wren's Grammar — Term 2 Chapters**

| Ch. | Topic | Key Concepts |
|------------|------------------------|--|
| 16 | Verbs | How verb changes forms with subject |
| RT2 | Revision Test 2 | Revision exercises — Units 12–16 |
| 17 | Tenses | Simple present, present continuous, simple past, simple future |
| 18 | Subject-Verb Agreement | Usage of is/are/am, was/were, has/have, do/does |

| | | |
|------------|------------------------|--|
| 19 | Adverbs | Adverbs of manner, place, time, frequency, degree |
| 20 | Prepositions | in, at, on; on, over, under, above, below; between, among, behind, in front of, near; in, into |
| 21 | Conjunctions | Usage of conjunctions in sentences |
| RT3 | Revision Test 3 | Revision exercises — Units 17–21 |
| 22 | Comprehension | Story comprehension, poetry comprehension, factual and inferential questions |
| 23 | Picture Composition | Story outline for developing stories |
| 24 | Paragraph Writing | Definition, understanding, practising paragraphs |
| 25 | Notice Writing | Definition, understanding, practising notices |
| 26 | Letter Writing | Introduction, informal letters |
| 27 | Posters | Definition, understanding, practising posters |
| 28 | Words | Spelling rules, prefixes/suffixes, homographs, homophones |
| 29 | Listen and Speak | Tasks based on listening passages |
| BG | Board Game | Grammar practice through fun board game |





English Practice Book — Term 2

| Ch. | Topic | Skills Practised |
|-----|--------------------------|--|
| 1 | Verbs | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 2 | Tenses | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 3 | Subject-Verb Agreement | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 4 | Adverbs | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 5 | Prepositions | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 6 | Conjunctions | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 7 | Comprehension (Unit 4–5) | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 8 | Picture Composition | Structured exercises, gap-fills, rewriting, comprehension |

| | | |
|----|-------------------------------|--|
| | | passages aligned to Part B units |
| 9 | Letter Writing | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 10 | Posters | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 11 | Words – Spelling & Word Study | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |
| 12 | Listen and Speak | Structured exercises, gap-fills, rewriting, comprehension passages aligned to Part B units |

☀ LANGUAGE SKILLS OVERVIEW

Four core language skills developed across the year as per NEP 2020 & NCF 2023

|  READING |  WRITING |  LISTENING |  SPEAKING |
|--|---|--|---|
| Factual comprehension Evaluative comprehension Inferential comprehension Poetry appreciation Picture reading | Paragraph writing Story writing Picture composition Notice / Letter writing Poster making | Listening passages Comprehension questions Listening for details Note-taking | Role play / dialogue Oral narration Discussions & debates Presentations |

GENERAL EXAM INSTRUCTIONS

| | |
|-----------|--|
| 1. | Students must report to school at regular school time in the morning (08:30 am) and leave at 12:30 pm. |
| 2. | Carry school diary, pencils, eraser, sharpener, and required stationery. |
| 3. | Use of unfair means is strictly prohibited. |
| 4. | Maintain silence and discipline during the examination. |
| 5. | Students should read the question paper carefully before answering. |

कक्षा 4 — हिंदी वार्षिक पाठ्यक्रम

शैक्षणिक वर्ष 2026-27

NCF 2023 आधारित हिंदी पाठ्यपुस्तक योजना

भाषा कौशल · पठन · लेखन · जीवन मूल्य · रचनात्मक गतिविधियाँ

पाठ सूची

- प्रकृति की सीख
- पृथ्वीराज चौहान
- अपना कर्तव्य
- अपनी धरती भोली
- बच्चे देश
- शिक्षा का महत्व
- नए बचाने का अभियान
- सच है!
- जंगलों का अभियान
- ऊँची उड़ान के अमर पक्षी
- लेख का मंच
- बेजोड़ पुस्तक का ज्ञान
- एक हमारा देश
- इसरो का सफर
- पहली महिला वैज्ञानिक : मदर टेरेसा

मासिक अध्ययन योजना

| माह | पाठ / विषय | गतिविधि | अधिगम परिणाम |
|---------|-------------------------------------|----------------|-----------------------|
| अप्रैल | प्रकृति की सीख · पृथ्वीराज चौहान | पठन एवं चर्चा | नैतिक मूल्यों की समझ |
| मई | अपना कर्तव्य · अपनी धरती भोली | चित्र वर्णन | भाषा विकास |
| जुलाई | बच्चे देश · शिक्षा का महत्व | समूह गतिविधि | शिक्षा का महत्व समझना |
| अगस्त | नए बचाने का अभियान | पोस्टर निर्माण | पर्यावरण जागरूकता |
| सितंबर | सच है! · जंगलों का अभियान | रचनात्मक लेखन | सृजनात्मक अभिव्यक्ति |
| अक्टूबर | ऊँची उड़ान के अमर पक्षी | जीवनी पठन | प्रेरणा प्राप्त करना |
| नवंबर | लेख का मंच · बेजोड़ पुस्तक का ज्ञान | वाचन गतिविधि | पठन कौशल विकास |
| दिसंबर | एक हमारा देश | देशभक्ति गीत | राष्ट्रीय एकता |

| | | | |
|-------|---------------------------------|---------------------|-----------------|
| जनवरी | इसरो का सफर | प्रस्तुति एवं चर्चा | वैज्ञानिक सोच |
| फरवरी | पहली महिला वैज्ञानिक | परिचर्चा | महिला सशक्तिकरण |
| मार्च | पुनरावृत्ति एवं वार्षिक परीक्षा | मूल्यांकन | समग्र अधिगम |

मूल्यांकन योजना

| मूल्यांकन | समय | पाठ्यक्रम | घटक |
|---------------------|--------|-------------------|----------------------|
| PT 1 | जुलाई | पाठ 1 से 5 | मौखिक + लिखित |
| अर्धवार्षिक परीक्षा | सितंबर | पाठ 1 से 8 | पठन · लेखन · गतिविधि |
| PT 2 | दिसंबर | पाठ 9 से 12 | वर्कशीट + मौखिक |
| वार्षिक परीक्षा | मार्च | संपूर्ण पाठ्यक्रम | लिखित + प्रोजेक्ट |

भाषा कौशल विकास

- पठन कौशल
- लेखन कौशल
- शब्द भंडार विकास
- वाक्य निर्माण
- कविता वाचन
- अनुच्छेद लेखन
- चित्र वर्णन
- मौखिक अभिव्यक्ति
- रचनात्मक लेखन
- समूह चर्चा

नोट: यह पाठ्यक्रम NCF 2023 एवं अनुभव आधारित शिक्षण पद्धति के अनुसार तैयार किया गया है।

ધોરણ 4 — ગુજરાતી વાર્ષિક અભ્યાસક્રમ

શૈક્ષણિક વર્ષ 2026-27

NCF 2023 આધારિત ગુજરાતી પાઠ્યપુસ્તક યોજના
ભાષાકૌશલ્ય · પઠન · લેખન · જીવનમૂલ્યો · સર્જનાત્મક પ્રવૃત્તિઓ



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- ટોપીની ભેટ
- □□□□□□ □□□□□
- □□□□□□□□ □□□□□□
- □□□□□□□□□ (કાવ્ય)
- હુજુની સંસ્કૃતિ અને કુદરત
- અંજલિ
- ગુજરાતી અંક (□□ □□ □□)
- □□□ □□□□□□□□□ □□□□□□
- નિસર્ગપ્રેમ
- ફૂલોનો ફેશન શો (કાવ્ય)
- ચાલો, આંબાવાડીની સફરે
- તુલસી (કાવ્ય)
- કમ્પ્યુટર (કાવ્ય)

માસિક અભ્યાસ આયોજન

| મહિનો | □□□ / વિષય | પ્રવૃત્તિ | અભ્યાસકૃળ |
|-----------|--------------------------------------|------------------------|------------------|
| એપ્રિલ | આપણા · ટોપીની ભેટ | વાંચન અને ચર્ચા | જીવનમૂલ્યોની સમજ |
| મે | સ્માઈલ પ્લીઝ · ચોકલેટની દુનિયા | શબ્દબંડાર પ્રવૃત્તિ | ભાષા વિકાસ |
| જુલાઈ | વર્ષારાણી | કાવ્યગાન | કાવ્યરસની સમજ |
| ઓગસ્ટ | હુજુની સંસ્કૃતિ અને કુદરત · અંજલિ | ચિત્ર વર્ણન | પ્રકૃતિપ્રેમ |
| સપ્ટેમ્બર | ગુજરાતી અંક · એકો ફરેન્ડલી દિવાળી | અંકલેખન અને પોસ્ટર | અંકજ્ઞાન |
| ઓક્ટોબર | નિસર્ગપ્રેમ | નિબંધ લેખન | પર્યાવરણ જાગૃતિ |
| નવેમ્બર | ફૂલોનો ફેશન શો | કાવ્ય અભિનય | સર્જનાત્મકતા |
| ડિસેમ્બર | ચાલો, આંબાવાડીની સફરે | પ્રવાસ વર્ણન | અનુભવ લેખન |
| જાન્યુઆરી | તુલસી · કમ્પ્યુટર | પ્રસ્તુતિ અને ચર્ચા | આધુનિક જ્ઞાન |
| ફેબ્રુઆરી | પુનરાવર્તન | વર્કશીટ | અભ્યાસ મજબૂત |

| | | | |
|-------|-----------------|-----------|----------------|
| માર્ચ | વાર્ષિક પરીક્ષા | મૂલ્યાંકન | સંપૂર્ણ અભ્યાસ |
|-------|-----------------|-----------|----------------|

મૂલ્યાંકન યોજના

| મૂલ્યાંકન | સમય | પાઠ્યક્રમ | ઘટકો |
|---------------------|-----------|-------------------|--------------------------|
| PT 1 | જુલાઈ | □□□ 1 થી 5 | મૌખિક + લેખિત |
| અર્ધવાર્ષિક પરીક્ષા | સપ્ટેમ્બર | □□□ 1 થી 8 | વાંચન · લેખન · પ્રવૃત્તિ |
| PT 2 | ડિસેમ્બર | □□□ 9 થી 12 | વર્કશીટ + મૌખિક |
| વાર્ષિક પરીક્ષા | માર્ચ | સંપૂર્ણ પાઠ્યક્રમ | લેખિત + પ્રોજેક્ટ |

ભાષાકૌશલ્ય વિકાસ

- વાંચન કૌશલ્ય
- લેખન કૌશલ્ય
- શબ્દભંડાર વિકાસ
- વાક્યરચના
- □□□□□□□□
- અનુરોધ લેખન
- ચિત્ર વર્ણન
- મૌખિક અભિવ્યક્તિ
- સર્જનાત્મક લેખન
- સમૂહ ચર્ચા

નોંધ: આ અભ્યાસક્રમ NCF 2023 અને અનુભવ આધારિત શિક્ષણ પદ્ધતિ અનુસાર તૈયાર કરવામાં આવ્યો છે.

ANNUAL MATHEMATICS SYLLABUS

Grade 4 | NEP 2020 & NCF 2023 Aligned

PRESCRIBED TEXTBOOKS

| S.No. | Book | Title | Author / Publisher |
|-------|---------------|--|--|
| 1 | Coursebook A | New Mylestone Mathematics Coursebook – Grade 4 Part A | M Rajeswari / S. Chand |
| 2 | Coursebook B | New Mylestone Mathematics Coursebook – Grade 4 Part B | M Rajeswari / S. Chand |
| 3 | Practice Book | New Mylestone Mathematics Practice Book – Grade 4 | M Rajeswari / S. Chand |
| 4 | Mental Maths | Speed Solver – A Practice Book on Mental Maths (Grade 4) | Piali Ganguly & Deepak Giananey / S. Chand |

 **EXAMINATION SCHEDULE 2026–27**

Chinmay International School — Classes IV

 **Periodic Test – 1**

| Date | Day | Subject |
|------------|-----------|----------------------|
| 13-07-2026 | Monday | English |
| 15-07-2026 | Wednesday | Mathematics ♦ |
| 17-07-2026 | Friday | EVS |
| 20-07-2026 | Monday | Hindi |
| 22-07-2026 | Wednesday | Gujarati |
| 23-07-2026 | Thursday | Computer Science |
| 24-07-2026 | Friday | Art & Craft |

PTM: 01-08-2026 (Saturday) | Time: 09:00 am – 12:30 pm
 **Half-Yearly Examination**

| Date | Day | Subject |
|------------|-----------|----------------------|
| 16-09-2026 | Wednesday | English |
| 18-09-2026 | Friday | Mathematics ♦ |
| 21-09-2026 | Monday | EVS |
| 23-09-2026 | Wednesday | Hindi |
| 25-09-2026 | Friday | Gujarati |
| 26-09-2026 | Saturday | Computer Science |
| 28-09-2026 | Monday | Art & Craft |

PTM: 10-10-2026 (Saturday) | Time: 09:00 am – 12:30 pm
 **Periodic Test – 2**

| Date | Day | Subject |
|------------|-----------|----------------------|
| 07-12-2026 | Monday | English |
| 09-12-2026 | Wednesday | Mathematics ♦ |
| 11-12-2026 | Friday | EVS |
| 14-12-2026 | Monday | Hindi |
| 16-12-2026 | Wednesday | Gujarati |
| 17-12-2026 | Thursday | Computer Science |

| | | |
|------------|--------|-------------|
| 18-12-2026 | Friday | Art & Craft |
|------------|--------|-------------|

PTM: 26-12-2026 (Saturday) | Time: 09:00 am – 12:30 pm



Annual Examination

| Date | Day | Subject |
|------------|-----------|----------------------|
| 01-03-2027 | Monday | English |
| 02-03-2027 | Tuesday | Mathematics ♦ |
| 03-03-2027 | Wednesday | EVS |
| 04-03-2027 | Thursday | Hindi |
| 05-03-2027 | Friday | Gujarati |
| 06-03-2027 | Saturday | Computer Science |
| 08-03-2027 | Monday | Art & Craft |

Open Day (Report Card Distribution): 21-03-2027 (Sunday) | Time: 07:30 am

 **TERM 1 SYLLABUS (April – September 2026)**

Covers: Periodic Test 1 + Half-Yearly Examination

 **Coursebook – Grade 4 Part A (New Mylestone)**

Chapters 1–7 + Beyond the Text 1 & 2

| Ch. | Topic | Key Concepts & Skills |
|------------|--------------------------|--|
| 1 | Numeration | Build & read 5-digit numbers; Read, write & compare large numbers; Use the Indian place value system; Round off numbers; Represent on number line |
| 2 | Addition & Subtraction | Add and subtract large numbers with regrouping; Word problems; Estimation; Properties of addition |
| 3 | Multiplication | Multiply 2-digit & 3-digit numbers; Multiply by 10, 100, 1000; Properties of multiplication; Word problems; Lattice multiplication |
| BT1 | Beyond the Text 1 | Real-life application tasks integrating Chapters 1–3; STEAM connections; Cross-curricular problems |
| 4 | Division | Divide by 1-digit and 2-digit divisors; Long division; Relationship between multiplication & division; Word problems; Estimation in division |
| 5 | Factors & Multiples | Factors, multiples, prime & composite numbers; Common factors & HCF; Common multiples & LCM; Divisibility rules |
| 6 | Fractions | Types of fractions (proper, improper, mixed); Equivalent fractions; Comparison of fractions; Addition & subtraction of like fractions; Word problems |
| 7 | Decimals | Tenths, hundredths; Reading & writing decimals; Comparing decimals; Addition & subtraction of decimals; Conversion between fractions and decimals |
| BT2 | Beyond the Text 2 | Real-life tasks integrating Chapters 4–7; STEAM connections; Mental maths challenges |

 **Mathematics Practice Book — Term 1**

| Ch. | Topic | Exercise Types |
|-----|------------------------|---|
| 1 | Numeration | Place value, expanded form, successor/predecessor, comparing & ordering numbers |
| 2 | Addition & Subtraction | Column addition/subtraction, fill-in, word problems, estimation |
| 3 | Multiplication | Tables, multiply by 1- & 2-digit numbers, word problems |
| 4 | Division | Long division, word problems, fact families |

| | | |
|---|---------------------|--|
| 5 | Factors & Multiples | Listing factors/multiples, HCF, LCM, prime factorisation |
| 6 | Fractions | Equivalent fractions, comparing, adding/subtracting like fractions |
| 7 | Decimals | Reading/writing decimals, place value, addition & subtraction |

⚡ Speed Solver (Mental Maths) — Term 1

| Mental Maths Skill | Activities |
|------------------------------|--|
| Large Number Recall | Flash cards, number dictation, quick comparison |
| Addition Tricks | Doubles, near-doubles, make-10 strategy |
| Multiplication Tables (2–12) | Timed drills, skip counting, table patterns |
| Division Quick Recall | Fact families, inverse operations |
| Fraction Sense | Visual fraction recognition, ordering on number line |
| Decimal Sense | Money problems, metric estimation |

* Vedic Maths techniques introduced throughout Term 1 (pages 108–119 of Practice Book)


TERM 2 SYLLABUS (October 2026 – March 2027)

Covers: Periodic Test 2 + Annual Examination


Coursebook – Grade 4 Part B (New Milestone)

Chapters 8–14 + Beyond the Text 3 & 4 | STEAM & AI Projects

| Ch. | Topic | Key Concepts & Skills |
|--------------|--------------------------|--|
| 8 | Money | Indian currency; Add, subtract & multiply money; Making change; Shopping bills; Estimation with money; Word problems |
| 9 | Time & Calendar | Reading time (hours, minutes, seconds); a.m. & p.m.; 24-hour clock; Duration; Calendar — days, months, years; Word problems |
| 10 | Geometry | Points, lines, rays, line segments; Types of angles; Types of triangles & quadrilaterals; Circle (parts); Drawing 2D shapes |
| BT3 | Beyond the Text 3 | Real-life geometry tasks; Maps & directions; STEAM connections; Cross-curricular problems |
| 11 | Symmetry & Patterns | Line of symmetry; Rotational symmetry; Patterns — number patterns, shape patterns; Tessellation; Creating symmetric figures |
| 12 | Perimeter & Area | Perimeter of regular & irregular shapes; Area using square units; Area of rectangles & squares; Word problems; Estimating area |
| 13 | Metric Measurements | Units of length (mm, cm, m, km); Units of weight (g, kg); Units of capacity (ml, l); Conversion between units; Word problems |
| 14 | Data Handling | Collecting & organising data; Tally marks; Pictograph; Bar graph — reading & drawing; Interpretation; Probability introduction |
| BT4 | Beyond the Text 4 | Data from real life; STEAM project; AI basics — using data; Cross-curricular activities |
| STEAM | STEAM Projects | Integrated Science, Technology, Engineering, Art & Maths projects across topics |
| AI | AI Projects | Introduction to Artificial Intelligence; Simple AI-based problem solving; Data & patterns in AI |


Mathematics Practice Book — Term 2

| Ch. | Topic | Exercise Types |
|-----|-------|----------------|
|-----|-------|----------------|

| | | |
|----|---------------------|---|
| 8 | Money | Bills, change, real-life shopping problems, word problems |
| 9 | Time & Calendar | Clock reading, duration, calendar questions, scheduling |
| 10 | Geometry | Identify, draw & label shapes; angle identification; nets |
| 11 | Symmetry & Patterns | Draw lines of symmetry, complete patterns, create tessellations |
| 12 | Perimeter & Area | Calculate perimeter & area; compare shapes; word problems |
| 13 | Metric Measurements | Unit conversion, measuring activities, word problems |
| 14 | Data Handling | Read & draw pictographs & bar graphs; interpret data |

Speed Solver (Mental Maths) — Term 2

| Mental Maths Skill | Activities |
|------------------------|---|
| Money Calculations | Quick billing, making change mentally |
| Time Calculations | Elapsed time, reading clocks at speed |
| Geometry Recognition | Quick shape & angle identification |
| Measurement Estimation | Estimate length, weight & capacity visually |
| Pattern Completion | Number sequences, visual patterns at speed |
| Data Interpretation | Read graphs quickly, find mode, range |





PRACTICE BOOK — FULL CHAPTER LIST

New Mylestone Mathematics Practice Book – Grade 4 (by M Rajeswari)

| Ch. | Topic | Description |
|-----|------------------------|---|
| 1 | Numeration | Place value up to 7 digits, expanded form, comparing & ordering |
| 2 | Addition & Subtraction | Large number operations, word problems, estimation |
| 3 | Multiplication | Multiply by 1- & 2-digit numbers, properties, word problems |
| 4 | Division | Long division, remainders, word problems |
| 5 | Factors & Multiples | HCF, LCM, prime & composite, divisibility |
| 6 | Fractions | Types, equivalence, comparison, addition & subtraction |
| 7 | Decimals | Tenths, hundredths, operations, money context |
| 8 | Money | Bills, transactions, profit & loss basics |
| 9 | Time & Calendar | Clock, calendar, duration |
| 10 | Geometry | Shapes, angles, 2D & 3D figures |
| 11 | Symmetry & Patterns | Lines of symmetry, pattern rules |
| 12 | Perimeter & Area | Formula application, word problems |
| 13 | Metric Measurements | Unit conversion, word problems |
| 14 | Data Handling | Pictograph, bar graph, tally marks |
| ★ | STEAM Projects | Cross-curricular integrated projects |
| ★ | AI Projects | Artificial Intelligence introduction & activities |

MATHEMATICAL SKILLS OVERVIEW

Four core competencies developed across the year as per NEP 2020 & NCF 2023

|  NUMBER SENSE |  GEOMETRY & MEASUREMENT |  DATA & PATTERNS |  MENTAL MATHS |
|--|---|--|--|
| Large numbers Addition & Subtraction Multiplication Division Fractions Decimals | 2D & 3D Shapes Angles Symmetry Perimeter & Area Metric Length Metric Weight Metric Capacity | Number patterns Shape patterns Pictographs Bar graphs Tally charts Data interpretation Probability intro | Speed Solver drills Vedic Maths tricks Timed table practice Estimation |

| | | | |
|---------------------------------|-----------------|------------------|--|
| Factors & Multiples Money | Time & Calendar | AI & data basics | strategies Flash-card recall Quick problem-solving Mental addition Mental multiplication |
|---------------------------------|-----------------|------------------|--|

GENERAL EXAM INSTRUCTIONS

| | |
|----|--|
| 1. | Students must report to school at regular school time in the morning (08:30 am) and leave at 12:30 pm. |
| 2. | Carry school diary, pencils, eraser, sharpener, and required stationery. |
| 3. | Use of unfair means is strictly prohibited. |
| 4. | Maintain silence and discipline during the examination. |
| 5. | Students should read the question paper carefully before answering. |

GRADE 4 — ENVIRONMENTAL STUDIES (EVS)

Annual Syllabus | Academic Year 2026–27


Awareness Environmental Studies 4 (Revised Edition) · S Chand School

Author: Abha Sahgal | Aligned with NCF 2023 | NEP 2020

 NCF 2023 Aligned

 NEP 2020




 CBSE Grade 4

 April 2026 – March 2027

| | | | | |
|--------------------------------------|---|-------------------------|--|-----------------------------|
| TOTAL CHAPTERS 18 Chapters | THEMES Food · Body · Earth · Society | TERMS 3 Terms | ASSESSMENTS PT1 · HY · PT2 · Annual | PUBLISHER S Chand School |
|--------------------------------------|---|-------------------------|--|-----------------------------|

Assessment Calendar 2026–27



Exact exam dates as per school schedule



| Assessment | Date Range | Syllabus Coverage | Components |
|--|---------------------------------|---|---|
|  PT 1 | 13 Jul – 24 Jul 2026 | Ch 1–4: Food & Health, Tongue & Teeth, Journey of Food, Great Rulers of India | Written test · Map/diagram labelling · Short answer questions |
|  Half Yearly | 16 Sep – 28 Sep 2026 | Ch 1–9: Food, Body, Rulers, Maps, Plants, Animals, Human Body, Reproduction | Written · Diagram labelling · Map work · Short & long answers |
|  PT 2 | 27 Dec 2026 – 8 Jan 2027 | Ch 10–14: Weather & Climate, Natural Resources, Diverse Lands, Forests, Exploring Materials | Written · Diagram/map work · Observation activity · Short answers |
|  Annual Exam | 1 Mar – 8 Mar 2027 | Full Syllabus: Ch 1–18 · All themes · All skills | Written · Diagrams · Map work · Long answers · Project references |

Month-by-Month Teaching Plan

All 18 chapters mapped across 3 terms with skills, activities and assessment milestones

| MONTH | CHAPTERS & TOPICS | SKILLS & ACTIVITIES | ASSESSMENT & VALUES |
|--|---|---|---|
| TERM 1 · April – September 2026 · Food, Body & India · Ch 1–9 | | | |
| April Wks 1–3 | Ch 1 — Food and Health Nutrients: carbohydrates, | Draw & label: My balanced meal plate | Values: Healthy eating habits, discipline |


| | | | |
|---|--|--|--|
| | <p>proteins, fats, vitamins, minerals, water & roughage</p> <p>Balanced diet; deficiency diseases</p> <p>Food for energy, growth, protection</p> <p>Theme: Health & Nutrition</p> | <p>Classify food: energy/body-building/pro tective</p> <p>Make a weekly balanced diet chart</p> <p>Observe: Nutrition labels on food packets</p> <p>Discussion: Junk food vs healthy food</p> | <p>Art: Food pyramid poster</p> <p>Digital: Nutrition facts lookup</p> <p>Orientation week · Books distributed</p> |
| <p>May Wks 1–3</p> | <p>Ch 2 — Tongue and Teeth</p> <p>Parts of the tongue; taste regions</p> <p>Types of teeth: incisors, canines, premolars, molars</p> <p>Milk teeth vs permanent teeth</p> <p>Dental care and hygiene</p> <p>Ch 3 — Journey of Food</p> <p>Digestive system: mouth to intestines</p> <p>Organs: oesophagus, stomach, small & large intestine</p> <p>Process of digestion; absorption of nutrients</p> <p>Theme: Human Body — Digestion</p> | <p>Draw & label: Digestive system diagram</p> <p>Activity: Taste test (sweet/sour/salty/bitter)</p> <p>Model: Teeth types with clay</p> <p>Observe: How saliva helps digestion</p> <p>Map the journey of food from mouth to body</p> | <p>Values: Dental hygiene, personal health</p> <p>Art: Teeth model / diagram colouring</p> <p> PT 1 Prep begins</p> <p>Link to Science: Body systems intro</p> |
| <p>June Short / Revision</p> | <p>Ch 4 — The Great Rulers of India</p> <p>Ashoka, Akbar, Chandragupta Maurya, Shivaji Maharaj — contributions & empires</p> <p>Indian history: ancient & medieval periods</p> <p>Map: Kingdoms of India</p> <p>Revision: Ch 1–3 (oral & written)</p> | <p>Timeline activity: Rulers of India</p> <p>Map: Mark kingdoms on outline map of India</p> <p>Discussion: Legacy of great rulers</p> <p>Holiday HW: Research one great ruler</p> <p>Role play: Life in the court of Akbar</p> | <p>Values: Patriotism, leadership, justice</p> <p>Digital: Virtual museum visit (Mughal/Maurya)</p> <p>Social Studies link: Indian history</p> <p> PT 1 Prep continues</p> |

| | | | |
|-------------------------------------|--|---|--|
| <p>July Wks 1–4</p> | <p>Ch 4 — The Great Rulers of India (contd.) Ch 5 — Exploring Places Through Maps Types of maps: physical, political, road Map components: title, compass, scale, legend Cardinal directions; grid references Reading & drawing simple maps Theme: Geography Skills</p> | <p>Draw a map of school / home locality Read and use compass directions Activity: Treasure hunt using a map Identify symbols on a map of India Grid reference exercises</p> | <p> PT 1 — 13 Jul to 24 Jul 2026 Ch 1–4 · Map work Values: Curiosity, exploration Art: Draw & label a map of classroom Digital: Google Maps exploration activity</p> |
| <p>August Wks 1–4</p> | <p>Ch 6 — Plants — Our Green Friends Parts of a plant and their functions Types of plants: herbs, shrubs, trees, climbers Photosynthesis (simple concept) Uses of plants: food, medicine, oxygen, shelter Plant adaptations Ch 7 — Where Animals Live Habitats: land, water, air, desert, polar Animal adaptations to habitats Food chains; herbivores, carnivores, omnivores Theme: Living World</p> | <p>Draw & label: Parts of a plant / flower Leaf rubbing activity; plant collection Classify animals by habitat on a chart Make a simple food chain Independence Day: Plants in Indian culture Plant a seed; observe germination</p> | <p>Values: Love for nature, conservation Art: Habitat diorama activity Digital: Virtual plant/animal encyclopaedia Environmental awareness: Plant a tree day</p> |
| <p>September Wks 1–4</p> | <p>Ch 8 — The Human Body Body systems: skeletal, muscular, nervous, circulatory, respiratory (overview) Sense organs and their functions</p> | <p>Label: Skeleton diagram; sense organs Activity: Feel pulse, measure heartbeat Life cycle diagram: Frog / Butterfly Classify: oviparous vs</p> | <p>Values: Body awareness, personal hygiene  Half Yearly Exam — 16–28 Sep 2026 Ch 1–9 · Full Term 1 syllabus</p> |

| | | | |
|--|---|---|---------------------------------------|
| | <p>Personal hygiene and health habits</p> <p>Ch 9 — Reproduction in Animals</p> <p>Oviparous & viviparous animals</p> <p>Life cycles: frog, butterfly, mosquito</p> <p>Care of young ones</p> <p>Theme: Human Body & Animal Life</p> | <p>viviparous animals</p> <p>Observe: Ant / butterfly life cycle (images)</p> | <p>Art: Life cycle wheel activity</p> |
|--|---|---|---------------------------------------|


TERM 2 · October – December 2026 · Earth, Nature & Materials · Ch 10–14

| | | | |
|---------------------------------------|---|---|--|
| <p>October</p> <p>Wks 1–4</p> | <p>Ch 10 — Weather, Climate, and Seasons</p> <p>Difference between weather and climate</p> <p>Seasons in India: summer, monsoon, winter, spring</p> <p>Weather instruments: thermometer, rain gauge</p> <p>Reading weather reports</p> <p>Climate zones of India</p> <p>Theme: Earth's Atmosphere</p> | <p>Make a weather calendar for one week</p> <p>Draw & label: Weather instruments</p> <p>Map: Climate zones of India</p> <p>Activity: Shadow length & sun angle</p> <p>Discussion: Climate change & global warming</p> <p> PT 2 Prep begins</p> | <p>Values: Environmental awareness, conservation</p> <p>Digital: Weather app exploration</p> <p>Link to Geography: India's climate zones</p> <p>Art: Seasons collage</p> |
| <p>November</p> <p>Wks 1–4</p> | <p>Ch 11 — Natural Resources</p> <p>Types: renewable & non-renewable</p> <p>Air, water, soil, minerals, forests, sunlight</p> <p>Conservation of natural resources</p> <p>Water cycle; water conservation methods</p> <p>Energy resources: solar, wind, coal, petroleum</p> <p>Ch 12 — Diverse Lands of India</p> <p>Physical features:</p> | <p>Draw: Water cycle diagram</p> <p>Map: Physical features of India (label outline map)</p> <p>Activity: Sort resources → renewable/non-renewable</p> <p>Discussion: Save water / save energy at home</p> <p>Project: Natural resources conservation poster</p> <p>Children's Day: India's diverse landscapes</p> | <p>Values: Resource conservation, sustainability</p> <p>Art: Water cycle diagram colouring</p> <p>Digital: Virtual tour — Indian landscapes</p> <p>Link to Social Studies: India's geography</p> |

| | | | |
|------------------------------------|--|---|---|
| | <p>mountains, plains, plateaus, deserts, coastal areas, islands</p> <p>Map: Physical features of India</p> <p>Theme: Geography of India</p> | | |
| <p>December Wks 1–3</p> | <p>Ch 13 — Forests of India</p> <p>Types of forests: tropical, deciduous, evergreen, mangrove, alpine, thorn forests</p> <p>Importance of forests: wildlife, oxygen, rainfall</p> <p>Deforestation and its effects</p> <p>Wildlife sanctuaries & national parks</p> <p>Ch 14 — Exploring Materials</p> <p>Properties of materials: hard/soft, transparent/opaque, soluble/insoluble, conductors/insulators</p> <p>Natural & man-made materials</p> <p>Uses of different materials</p> <p>Theme: Environment & Materials</p> | <p>Map: Forest types of India</p> <p>List: National parks & animals they protect</p> <p>Activity: Test materials — sink/float, dissolve</p> <p>Classify: Conductors vs insulators</p> <p>Observe: Transparent vs opaque materials</p> <p>Make a forest conservation pledge card</p> | <p>Values: Forest conservation, wildlife protection</p> <p> PT 2 — 27 Dec 2026 – 8 Jan 2027</p> <p>Ch 10–14 · Earth & Nature topics</p> <p>Art: Forest diorama / nature collage</p> |

TERM 3 · January – March 2027 · Space, Society & Economy · Ch 15–18

| | | | |
|-----------------------------------|--|--|--|
| <p>January Wks 1–4</p> | <p>Ch 15 — Earth and the Moon</p> <p>Shape and size of Earth; rotation & revolution</p> <p>Day and night; seasons (Earth's tilt)</p> | <p>Draw: Phases of the Moon</p> <p>Activity: Torch & globe — day/night demo</p> <p>Label: Solar system diagram</p> | <p>Values: Scientific curiosity, national pride</p> <p>Art: Moon phases flip book</p> <p>Digital: ISRO</p> |
|-----------------------------------|--|--|--|

| | | | |
|------------------------------------|---|--|--|
| | <p>The Moon: phases, craters, surface</p> <p>Solar system: planets overview</p> <p>Eclipses: solar and lunar (concept)</p> <p>Theme: Space & Earth Science</p> | <p>Chart: Planets of the solar system</p> <p>Republic Day: Space exploration — ISRO achievements</p> <p>Digital: Virtual planetarium / NASA kids</p> | <p>achievements & Mars mission</p> <p>Project work begins: Space or Nature theme</p> |
| <p>February Wks 1–4</p> | <p>Ch 16 — Transport and Communication</p> <p>Modes of transport: land, water, air</p> <p>History of transport; modern vs ancient</p> <p>Modes of communication: print, electronic, digital</p> <p>Internet and digital communication</p> <p>Postal services; importance of communication</p> <p>Ch 17 — Living Together</p> <p>Our community: neighbourhood, city, district</p> <p>Public services: hospital, post office, police, fire brigade</p> <p>Rights & duties of citizens</p> <p>National symbols of India</p> <p>Theme: Society & Community</p> | <p>Classify: Transport by land/water/air</p> <p>Draw: Communication devices timeline</p> <p>Activity: Write a letter (postal format)</p> <p>Map: Community helpers in our area</p> <p>Discussion: National symbols — significance</p> <p>Class survey: How do families travel?</p> | <p>Values: Community spirit, civic responsibility</p> <p>Art: Communication then & now poster</p> <p>Digital: e-mail writing activity</p> <p>Pre-Annual revision begins</p> |
| <p>March Wks 1–2</p> | <p>Ch 18 — Travel and Money</p> <p>Planning a journey: tickets, routes, luggage</p> <p>Indian currency: denominations, exchange</p> | <p>Activity: Plan a trip with a budget</p> <p>Classify currency: notes and coins</p> <p>Discussion: Saving money; needs vs wants</p> | <p>Values: Financial literacy, responsible spending</p> <p> Annual Exam — 1–8 March 2027</p> <p>Full Syllabus: Ch 1–</p> |

| | | |
|---|---|---|
| Budgeting: income, expenses, savings Banks & ATMs; digital payments (intro) Tourism in India Full Syllabus Revision: Ch 1–18 Theme: Life Skills & Financial Literacy | Revision: Map work, diagrams, all chapters Oral Q&A: All 18 chapters | 18 All diagrams, maps, concepts |
|---|---|---|

Chapter Distribution — All 18 Chapters

Awareness Environmental Studies 4 · Abha Sahgal · S Chand School




| Ch | Chapter Title | Theme / Domain | Key Concepts Covered | Term · Month |
|----|--------------------------------------|-------------------------|--|--------------|
| 1 | Food and Health | <i>Food & Body</i> | Nutrients (carbohydrates, proteins, fats, vitamins, minerals, water, roughage); balanced diet; deficiency diseases; food pyramid | T1 · April |
| 2 | Tongue and Teeth | <i>Food & Body</i> | Parts of tongue; taste regions; types of teeth (incisors, canines, premolars, molars); milk vs permanent teeth; dental care | T1 · May |
| 3 | Journey of Food | <i>Food & Body</i> | Digestive system organs; process of digestion; absorption of nutrients; role of each organ from mouth to intestine | T1 · May |
| 4 | The Great Rulers of India | <i>India — History</i> | Ashoka, Akbar, Chandragupta Maurya, Shivaji; empires; contributions; timeline of rulers; map of ancient/medieval kingdoms | T1 · Jun–Jul |
| 5 | Exploring Places Through Maps | <i>Geography Skills</i> | Types of maps; map components (title, compass, scale, legend); cardinal directions; grid references; reading & drawing maps | T1 · July |
| 6 | Plants — Our | <i>Living</i> | Parts of a plant and functions; | T1 · August |

| | | | | |
|----|--------------------------------------|----------------------------------|--|----------------|
| | Green Friends | <i>World</i> | types of plants; photosynthesis (simple); uses of plants; plant adaptations | |
| 7 | Where Animals Live | <i>Living World</i> | Habitats (land, water, air, desert, polar); animal adaptations; food chains; herbivores, carnivores, omnivores | T1 · August |
| 8 | The Human Body | <i>Human Body</i> | Body systems overview (skeletal, muscular, nervous, circulatory, respiratory); sense organs; personal hygiene | T1 · September |
| 9 | Reproduction in Animals | <i>Living World</i> | Oviparous & viviparous animals; life cycles (frog, butterfly, mosquito); metamorphosis; care of young ones | T1 · September |
| 10 | Weather, Climate, and Seasons | <i>Earth & Atmosphere</i> | Weather vs climate; seasons in India; weather instruments; reading weather reports; climate zones of India | T2 · October |
| 11 | Natural Resources | <i>Earth & Environment</i> | Renewable & non-renewable resources; air, water, soil, minerals; water cycle; energy resources; conservation methods | T2 · November |
| 12 | Diverse Lands of India | <i>Geography of India</i> | Physical features: mountains, plains, plateaus, deserts, coastal areas, islands; map: physical India | T2 · November |
| 13 | Forests of India | <i>Earth & Environment</i> | Types of forests; importance; deforestation & effects; wildlife sanctuaries & national parks; conservation | T2 · December |
| 14 | Exploring Materials | <i>Science & Materials</i> | Properties of materials; hard/soft; transparent/opaque; soluble/insoluble; conductors/insulators; natural & man-made | T2 · December |
| 15 | Earth and the Moon | <i>Space & Earth Science</i> | Shape & size of Earth; rotation & revolution; day & night; seasons; Moon phases & craters; solar | T3 · January |

| | | | | |
|----|------------------------------------|--------------------------------|---|---------------|
| | | | system overview; eclipses | |
| 16 | Transport and Communication | <i>Society & Community</i> | Modes of transport (land, water, air); history of transport; modes of communication (print, electronic, digital); postal services | T3 · February |
| 17 | Living Together | <i>Society & Community</i> | Community & neighbourhood; public services; rights & duties of citizens; national symbols of India | T3 · February |
| 18 | Travel and Money | <i>Life Skills</i> | Planning a journey; Indian currency; budgeting (income, expenses, savings); banks & ATMs; digital payments; tourism | T3 · March |

EVS Skills & Learning Outcomes

NCF 2023 — Inquiry-Based, Experiential & Interdisciplinary Learning

| DOMAIN |  Science Skills |  Social Studies Skills |  Environmental Skills |
|---------------|--|--|--|
| Term 1 | Draw & label: Digestive system, teeth, balanced meal plate Life cycle diagrams: frog, butterfly, mosquito Classify animals: habitat, diet, oviparous/viviparous Plant part labelling & functions; photosynthesis concept | Timeline of Great Rulers of India Map: kingdoms of India (ancient/medieval) Map reading: compass, scale, legend, grid Draw & label a map of school/locality | Classify food by nutrients & function Observe: Plants, habitats, food chains Discussion: Health, hygiene, dental care Art: Food pyramid, habitat diorama |
| Term 2 | Draw: Water cycle diagram Test materials: conductors/insulators, sink/float Weather instruments: thermometer, rain gauge Observe & record: | Map: Physical features of India Map: Forest types of India Map: Climate zones of India List: National parks & wildlife sanctuaries | Sort: Renewable vs non-renewable resources Debate: Deforestation & its effects Project: Conservation poster / pledge card Classify: Natural vs man-made materials |

| | | | |
|---------------|---|---|---|
| | Weekly weather calendar | | |
| Term 3 | Draw: Moon phases, solar system diagram Demo: Torch & globe — day/night, seasons Label: Planets of the solar system Link to ISRO: India's space achievements | Classify: Modes of transport & communication Timeline: History of transport & communication Identify: National symbols of India Write: A letter in postal format (Ch 16) | Activity: Plan a trip with a budget Classify: Indian currency denominations Discussion: Needs vs wants; saving habits Full syllabus revision: All diagrams & maps |

Values & Interdisciplinary Themes

NEP 2020 & NCF 2023 — Embedded across all 18 chapters throughout the academic year

| Value / Theme | Chapters & Learning Context |
|---|--|
| Healthy Eating & Nutrition | Ch 1–3 — Food & Health, Tongue & Teeth, Journey of Food · Balanced diet; avoiding junk food |
| Dental Hygiene & Personal Care | Ch 2, 8 — Tongue & Teeth, Human Body · Brushing habits, body hygiene, healthy routines |
| Patriotism & National Pride | Ch 4, 17 — Great Rulers of India, Living Together · Indian history, national symbols, civic duties |
| Curiosity & Scientific Inquiry | Ch 3, 8, 9, 14, 15 — Body systems, materials, space · Observation, questioning, experimentation |
| Environmental Conservation | Ch 6, 11, 13 — Plants, Natural Resources, Forests · Saving water, planting trees, reducing waste |
| Love for Nature & Wildlife | Ch 6, 7, 9, 13 — Plants, Animals, Forests · Respect for all living things; protecting wildlife |
| Spatial Awareness & Geography | Ch 5, 12 — Maps, Diverse Lands · Understanding India's rich physical geography |
| Space & Scientific Heritage | Ch 15 — Earth & Moon · Pride in ISRO; India's contribution to space science |
| Community & Civic Responsibility | Ch 17 — Living Together · Public services; rights & duties; helping neighbours |
| Financial Literacy | Ch 18 — Travel and Money · Budgeting, saving, responsible |

| | |
|---------------------------|--|
| | spending, digital payments |
| Digital Literacy | Ch 16, 18 — Communication, Money · Internet, e-mail, digital payments — NCF 2023 |
| Sustainable Living | Ch 10, 11, 13 — Weather, Resources, Forests · Climate change awareness; reduce, reuse, recycle |

Note: This syllabus is aligned with NCF 2023 and NEP 2020. Assessment dates are as per school schedule. Teachers may adjust chapter coverage within each month based on class pace, school events, and learner needs. Map work, diagram labelling and hands-on activities are to be regularly practised throughout the year.

Book: Awareness Environmental Studies 4 (Revised Edition) — Abha Sahgal, S Chand School · Aligned with NCF 2023 & NEP 2020 · CBSE Grade 4

GRADE 4 — COMPUTER SCIENCE

Annual Syllabus | Academic Year 2026–27

New Mylestone Computer Science Coursebook Grade 4 · S Chand School

Authors: Dr Sandeep Saini & Manpreet Kaur | Aligned with NEP 2020

 Digital Literacy

 Coding & Scratch





 Computational Thinking

 Artificial Intelligence

| | | | | | |
|--------------------------------------|-----------------------------|---|-------------------------|---|--------------------------------------|
| TOTAL CHAPTERS 10 Chapters | DOMAINS 4 Domains | PERIODIC ASSESSMENTS 4 Built-in PAs | TERMS 3 Terms | ASSESSMENTS PT1-HY-PT2-Annual | ADD-ON Projects · Olympiad |
|--------------------------------------|-----------------------------|---|-------------------------|---|--------------------------------------|

Assessment Calendar 2026–27

Exact exam dates as per school schedule






| Assessment | Date Range | Syllabus Coverage | Components |
|--|---------------------------------|--|---|
|  PT 1 | 13 Jul – 24 Jul 2026 | Ch 1–3 (Digital & Cyber): Computers–Timelines, Windows 10–Files & Folders, Tinkercad–Advanced Features · Periodic Assessment 1 & 2 | Written test · Practical: Windows file management · Tinkercad task |
|  Half Yearly | 16 Sep – 28 Sep 2026 | Ch 1–6 (Digital & Cyber): Word Processor, Presentation, Internet–Email · Periodic Assessment 1 & 2 | Written · Practical: MS Word table, PowerPoint slide, email draft |
|  PT 2 | 27 Dec 2026 – 8 Jan 2027 | Ch 7–9 (Computational Thinking & Coding): Computational Thinking–Sudoku & Sorting, Scratch–Blocks & Shapes, Google Blockly–Games · Periodic Assessment 3 | Written · Practical: Scratch project, Blockly game · Algorithm task |
|  Annual Exam | 1 Mar – 8 Mar 2027 | Full Syllabus: Ch 1–10 · All 4 domains: Digital & Cyber, Comp. Thinking & Coding, AI · Periodic Assessment 4 · Projects | Written · Practical · Project presentation · AI concepts MCQ |

Month-by-Month Teaching Plan





All 10 chapters across 4 domains mapped with hands-on activities and assessment milestones

| MONTH | CHAPTERS & TOPICS | SKILLS & HANDS-ON ACTIVITIES | ASSESSMENT & NOTES |
|-------|-------------------|------------------------------|--------------------|
|-------|-------------------|------------------------------|--------------------|

TERM 1 · April – September 2026 · Domain: Digital & Cyber · Ch 1–6



| | | | |
|---|--|---|--|
| <p>April Wks 1–3</p> | <p>Ch 1 — Computers — Timelines History of computers: generations 1st–5th Types: supercomputer, mainframe, mini, personal, embedded, wearable Evolution: from ENIAC to modern devices Computer components recap: I/P, O/P, CPU Domain: Digital & Cyber</p> | <p>Create a computer timeline chart Identify computer generations on a chart Classify: types of computers with examples Activity: Compare old vs new computing devices Digital: Research ENIAC, UNIVAC online Draw & label: Block diagram of a computer</p> | <p>Orientation week · Books issued  Periodic Assessment 1 begins (Ch 1–3) Values: Digital curiosity, technology history NEP 2020: Computational thinking intro</p> |
| <p>May Wks 1–3</p> | <p>Ch 2 — Windows 10 — Files and Folders Windows 10 desktop: taskbar, icons, start menu File management: create, rename, copy, move, delete Folder structure; organizing files Recycle Bin; shortcut keys Searching files; file extensions Domain: Digital & Cyber</p> | <p>Practical: Create folder structure on Windows 10 Rename, copy, paste & delete files Use keyboard shortcuts: Ctrl+C, Ctrl+V, Ctrl+Z Organize a set of mixed files into folders Practical: Search for files using Search bar Digital Citizenship: File naming best practices</p> | <p> Periodic Assessment 1 (Ch 1– 3)  PT 1 Prep begins Values: Digital organization & discipline Practical lab session: File management task</p> |
| <p>June Short / Revision</p> | <p>Ch 3 — Tinkercad — Advanced Features Recap: Tinkercad interface & basic shapes Advanced 3D shapes: grouping, aligning, holes Creating complex 3D models Ruler tool; precise dimensions Export & share designs Domain: Digital & Cyber / Coding</p> | <p>Design a 3D model: keychain / name plate Use Group, Ungroup, Align tools Create a 3D model with a hole (negative shape) Holiday HW: Design a household object in Tinkercad Explore: Export STL file for 3D printing concept</p> | <p> PT 1 Prep continues  Periodic Assessment 2 (Ch 4– 6) Values: Creativity, 3D spatial thinking Art Integration: 3D design for art projects</p> |


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|-------------------------------------|---|---|---|
| <p>July Wks 1–4</p> | <p>Ch 3 — Tinkercad (contd.) — revision & project</p> <p>Ch 4 — Word Processor — Tables and Graphics</p> <p>Insert & format tables in MS Word</p> <p>Table tools: merge cells, borders, shading</p> <p>Insert images & clip art</p> <p>Wrap text around images</p> <p>WordArt; page borders; headers & footers</p> <p>Domain: Digital & Cyber</p> | <p>Practical: Create a timetable using Word table</p> <p>Merge & format cells; add borders & shading</p> <p>Insert an image; wrap text around it</p> <p>Create a birthday card using WordArt & images</p> <p>Add header (school name) & footer (page number)</p> <p>Practical: Design a newsletter page</p> | <p> PT 1 — 13 Jul to 24 Jul 2026</p> <p>Ch 1–3 · File management & Tinkercad</p> <p>Practical exam: Windows + Tinkercad task</p> <p>Values: Creativity, digital design skills</p> |
| <p>August Wks 1–4</p> | <p>Ch 5 — Presentation — An Introduction</p> <p>MS PowerPoint / Google Slides basics</p> <p>Slide layouts; themes & backgrounds</p> <p>Insert: text boxes, images, shapes, SmartArt</p> <p>Slide transitions & animations</p> <p>View modes: Normal, Slide Sorter, Presenter</p> <p>Adding speaker notes</p> <p>Domain: Digital & Cyber</p> | <p>Practical: Create a 5-slide presentation on any topic</p> <p>Apply theme, background & slide transition</p> <p>Insert image & SmartArt diagram</p> <p>Add animation to text & objects</p> <p>Practice: Presenter view & speaker notes</p> <p>Independence Day: Presentation on India's freedom fighters</p> | <p>Values: Communication, visual design</p> <p>Digital: Google Slides (cloud-based option)</p> <p>Art Integration: Design visually appealing slides</p> <p> Periodic Assessment 2 (Ch 4– 6) continues</p> |
| <p>September Wks 1–4</p> | <p>Ch 6 — Internet — An Introduction</p> <p>What is the Internet?</p> <p>WWW vs Internet</p> <p>Web browser, URL, search engine</p> <p>Safe browsing; cyberbullying awareness</p> <p>Email: compose, send, reply, forward, attach</p> <p>CC, BCC; inbox, drafts, sent items</p> <p>Digital Citizenship:</p> | <p>Practical: Search a topic using Google; note key info</p> <p>Send and reply to an email in school account</p> <p>Attach a file to an email; use CC/BCC</p> <p>Identify: safe vs unsafe websites</p> <p>Discussion: Cyberbullying — what to do & whom to tell</p> <p>Digital Citizenship</p> | <p> Half Yearly Exam — 16–28 Sep 2026</p> <p>Ch 1–6 · Full Domain: Digital & Cyber</p> <p>Practical: Word table + PowerPoint + email task</p> <p>Values: Digital citizenship, online safety</p> |

| | | | |
|---|---|--|--|
| | online safety rules Domain: Digital & Cyber | pledge: Safe Internet practices | |
| TERM 2 · October – December 2026 · Domains: Computational Thinking & Coding · Ch 7–9 | | | |
| October Wks 1–4 | Ch 7 — Computational Thinking — Sudoku and Sorting What is Computational Thinking? 4 pillars: Decomposition, Pattern Recognition, Abstraction, Algorithm Sorting algorithms: bubble sort (concept) Sudoku puzzles: logic & problem-solving Flowcharts: symbols & drawing simple flowcharts Domain: Computational Thinking | Solve Sudoku puzzles (3×3 and 4×4) Draw a flowchart: morning routine / recipe Sort a set of numbers using bubble sort steps Decompose a problem: Plan a birthday party Pattern recognition: Complete number/shape sequences Activity: Algorithm for making a sandwich |  Periodic Assessment 3 (Ch 7–9) begins  PT 2 Prep begins Values: Logical thinking, problem-solving NEP 2020: Computational thinking as life skill |
| November Wks 1–4 | Ch 8 — Scratch — Blocks and Shapes Scratch 3.0 interface: Stage, Sprite, Blocks Categories: Motion, Looks, Sound, Events, Control, Sensing, Operators, Variables Draw shapes using Scratch: square, triangle, polygon Repeat loops; forever loops Broadcast & receive messages Create a simple animation Domain: Coding | Practical: Draw a square & triangle in Scratch Use Repeat block to draw a polygon Create a simple sprite animation (cat walking) Add sounds & costumes to a sprite Build: A story animation with dialogue Children's Day: Create a greeting card in Scratch |  Periodic Assessment 3 (Ch 7–9) Values: Creativity, sequencing, debugging Digital: Scratch online (scratch.mit.edu) Art Integration: Animate a story scene |
| December Wks 1–3 | Ch 9 — Google Blockly — Games What is Blockly? Visual | Practical: Complete Blockly Maze & Bird levels |  PT 2 — 27 Dec 2026 – 8 Jan 2027 Ch 7–9 · |

| | | | |
|--|--|---|---|
| | <p>block-based coding</p> <p>Google Blockly Games: Puzzle, Maze, Bird, Turtle</p> <p>Logic blocks: If/Else, Repeat Until</p> <p>Creating simple game logic using Blockly</p> <p>Debugging: finding & fixing errors in code</p> <p>Introduction to text-based code (JavaScript preview)</p> <p>Domain: Coding</p> | <p>Use If/Else and Repeat Until in Blockly games</p> <p>Debug: Identify errors in a Blockly program</p> <p>Solve Turtle drawing challenges in Blockly</p> <p>Activity: Build a simple Blockly game logic</p> <p>Compare: Scratch blocks vs Blockly blocks</p> | <p>Computational Thinking & Coding</p> <p>Practical: Scratch project + Blockly game</p> <p>Values: Perseverance, logical reasoning, debugging</p> |
|--|--|---|---|

TERM 3 · January – March 2027 · Domain: Artificial Intelligence · Ch 10 + Projects + Olympiad

| | | | |
|------------------------------------|--|--|--|
| <p>January Wks 1–4</p> | <p>Ch 10 — AI — An Introduction</p> <p>What is Artificial Intelligence?</p> <p>Types of AI: Narrow AI, General AI (concept)</p> <p>Machine Learning basics: how computers learn</p> <p>AI in daily life: voice assistants, recommendations, face recognition, self-driving cars</p> <p>AI tools: chatbots, image recognition</p> <p>Ethics of AI: privacy, bias, responsibility</p> <p>Domain: Artificial Intelligence</p> | <p>List: AI applications in daily life (Alexa, Siri, Netflix)</p> <p>Activity: Train a simple AI model (Teachable Machine)</p> <p>Discuss: Is this AI? (quiz game)</p> <p>Explore: Quick Draw by Google — AI drawing game</p> <p>Demo: Face filter in phone apps (face recognition)</p> <p>Republic Day: AI & India — ISRO, smart cities</p> | <p> Periodic Assessment 4 (Ch 10 + Projects)</p> <p>Values: Responsible use of AI; digital ethics</p> <p>Digital: Explore Google's Teachable Machine</p> <p>NEP 2020: AI literacy for future readiness</p> |
| <p>February Wks 1–4</p> | <p>Add-On Topics & Projects</p> <p>Test Sheet 1 — Revision: Ch 1–5</p> <p>Test Sheet 2 — Revision: Ch 6–10</p> <p>Projects: Individual & group projects</p> | <p>Complete individual project: chosen from list</p> <p>Practice Olympiad</p> <p>MCQs: hardware, software, internet</p> <p>Revision: All practical skills (Word, Scratch,</p> | <p> Periodic Assessment 4 (Ch 10 + Projects)</p> <p>Pre-Annual revision begins</p> <p>Values: Teamwork, digital responsibility</p> |

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|---------------------------------|--|--|--|
| | <p>e.g. Design a digital poster (Word/Slides)</p> <p>Create a Scratch animation story</p> <p>Research an AI application</p> <p>Digital Citizenship: responsible online behaviour</p> <p>Olympiad Preparation: Computer awareness MCQs</p> | <p>Blockly)</p> <p>Peer review: Evaluate classmates' Scratch projects</p> <p>Digital Citizenship: Create an online safety poster</p> <p>Full syllabus Q&A revision sessions</p> | <p>Projects submitted and evaluated</p> |
| <p>March Wks 1–2</p> | <p>Full Syllabus Revision: Ch 1–10</p> <p>Domain 1: Digital & Cyber (Ch 1–6)</p> <p>Domain 2: Computational Thinking (Ch 7)</p> <p>Domain 3: Coding — Scratch & Blockly (Ch 8–9)</p> <p>Domain 4: Artificial Intelligence (Ch 10)</p> <p>Add-On: Projects, Digital Citizenship, Olympiad</p> | <p>Final practical revision: All tools (Word, Scratch, Blockly)</p> <p>Oral Q&A: All 10 chapters</p> <p>Mock practical exam: 30-minute timed task</p> <p>Olympiad final practice: Computer awareness MCQs</p> <p>Project presentation to class</p> | <p> Annual Exam — 1–8 March 2027</p> <p>Full Syllabus: Ch 1–10 · All domains</p> <p>Written + Practical + Project evaluation</p> <p>Olympiad: Computer Science awareness</p> |

Chapter Distribution — All 10 Chapters

New Mylestone Computer Science Grade 4 · Dr Sandeep Saini & Manpreet Kaur · S Chand School

| Ch | Chapter Title | Domain | Key Concepts Covered | Term · Month |
|----|---------------------------------------|----------------------------|---|--------------|
| 1 | Computers — Timelines | <i>Digital & Cyber</i> | History of computers (1st–5th generation); types of computers (supercomputer, mainframe, personal, embedded, wearable); computer components block diagram | T1 · April |
| 2 | Windows 10 — Files and Folders | <i>Digital & Cyber</i> | Windows 10 desktop; file & folder management (create, rename, copy, move, delete); | T1 · May |

| | | | | |
|---|--|-------------------------------------|--|--------------|
| | | | Recycle Bin; shortcut keys; file extensions; search function | |
| 3 | Tinkercad — Advanced Features | <i>Digital & Cyber / Coding</i> | Tinkercad 3D modelling: advanced shapes, grouping, aligning, holes (negative shapes); ruler tool; precise dimensions; export STL concept | T1 · Jun–Jul |
| 4 | Word Processor — Tables and Graphics | <i>Digital & Cyber</i> | Insert & format tables in MS Word; merge cells, borders, shading; insert images, clip art; text wrapping; WordArt; page borders; headers & footers | T1 · July |
| 5 | Presentation — An Introduction | <i>Digital & Cyber</i> | MS PowerPoint / Google Slides: slide layouts, themes, backgrounds; insert text, images, shapes, SmartArt; slide transitions & animations; Presenter view | T1 · August |
| 6 | Internet — An Introduction | <i>Digital & Cyber</i> | Internet vs WWW; browsers, URLs, search engines; safe browsing; cyberbullying awareness; email (compose, send, reply, forward, attach, CC, BCC); digital citizenship | T1 · Sep |
| 7 | Computational Thinking — Sudoku and Sorting | <i>Computational Thinking</i> | 4 pillars: Decomposition, Pattern Recognition, Abstraction, Algorithm; Bubble Sort concept; Sudoku puzzle logic; flowchart symbols; drawing flowcharts | T2 · Oct |
| 8 | Scratch — Blocks and Shapes | <i>Coding</i> | Scratch 3.0 interface; Motion, Looks, Sound, Events, Control, Sensing blocks; draw shapes; Repeat & Forever loops; Broadcast; sprite animation | T2 · Nov |
| 9 | Google Blockly — Games | <i>Coding</i> | Blockly visual coding; Blockly Games (Puzzle, Maze, Bird, Turtle); logic blocks (If/Else, Repeat Until); debugging; JavaScript preview | T2 · Dec |





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|---------------|---|--------------------------------|--|-----------|
| 10 | AI — An Introduction | <i>Artificial Intelligence</i> | What is AI; types of AI; machine learning basics; AI in daily life (voice assistants, face recognition, recommendations); AI ethics; Google Teachable Machine | T3 · Jan |
| Add-On | Projects, Test Sheets, Olympiad, Digital Citizenship | <i>All Domains</i> | Periodic Assessments 1–4; Test Sheet 1 (Ch 1–5) & Test Sheet 2 (Ch 6–10); individual & group projects; digital citizenship; Olympiad preparation (computer awareness MCQs) | All Terms |

Built-in Periodic Assessments (Book)

4 Periodic Assessments integrated within the coursebook · Aligned with school exam schedule

| Assessment | Chapters | Written Component | Practical Component | Term / School Exam |
|------------------------------|---|--|---|--------------------------------|
| Periodic Assessment 1 | Ch 1–3 (Computers, Windows, Tinkercad) | MCQ · Fill in blanks · Short answers · Match columns · True/False | Practical: Windows file management; basic Tinkercad shape | T1 · Before PT 1 |
| Periodic Assessment 2 | Ch 4–6 (Word, Presentation, Internet) | MCQ · Short answers · Label diagram · Identify correct/incorrect | Practical: MS Word table; PowerPoint slide; email draft | T1 · Before Half Yearly |
| Periodic Assessment 3 | Ch 7–9 (Comp. Thinking, Scratch, Blockly) | MCQ · Flowchart drawing · Algorithm writing · Code output prediction | Practical: Scratch animation; Blockly game level completion | T2 · Before PT 2 |
| Periodic Assessment 4 | Ch 10 + Projects (AI + Full Add-On) | MCQ · Short answers · AI application examples · Project evaluation | Practical: Teachable Machine activity; project presentation | T3 · Before Annual |

Skills Across All 4 Domains

| TERM |  Digital & Cyber (Ch 1–6) |  Computational Thinking (Ch 7) |  Coding — Scratch & Blockly (Ch 8–9) |  AI (Ch 10) |
|-----------------------------------|--|--|--|--|
| Term 1 Apr – Sep | Computer timeline chart Windows file management Tinkercad 3D model design MS Word: tables & graphics PowerPoint presentation Email & safe browsing | — (Intro concepts embedded in Digital Literacy) Flowchart in Word Algorithm thinking in file organization tasks | — (Scratch/Blockly introduced in Term 2) Tinkercad: basic logic of 3D design (spatial) | — (AI integrated into internet & digital tools discussion) AI tools: search algorithms, autocomplete |
| Term 2 Oct – Dec | Revision of Ch 1–6 Digital citizenship Online safety poster Advanced email tasks Integration with Scratch presentations | Decompose problems Identify patterns Draw flowcharts Solve Sudoku puzzles Bubble sort algorithm Algorithm writing | Scratch: draw shapes Use Repeat loops Build sprite animation Blockly Maze & Bird If/Else logic in Blockly Debug code errors | AI concepts embedded in Scratch (pattern) Blockly: rule-based AI logic preview AI in games: discuss recommendation systems |
| Term 3 Jan – Mar | Full revision: Ch 1–6 Digital portfolio of work Digital citizenship pledge Olympiad: hardware, software & internet MCQs Project presentation (digital) | Full revision: flowcharts Algorithm practice Test Sheet revision Olympiad: logic MCQs Computational thinking applied to project planning | Full revision: Scratch Full revision: Blockly Final project: Scratch animation story / game Peer code review Olympiad: coding MCQs | What is AI — recap Machine Learning concept Teachable Machine activity AI ethics discussion AI in India: ISRO, smart cities Olympiad: AI awareness MCQs |

Values, 21st Century Skills & NEP 2020 Themes

Embedded across all 10 chapters and Add-On sections throughout the academic year

| Value / Skill | Chapters & Learning Context |
|--|---|
| Digital Literacy | Ch 1–6 — Understand computers, manage files, create documents, browse safely and communicate digitally |
| Coding & Logical Thinking | Ch 8, 9 — Scratch & Blockly: Sequencing, loops, conditionals, debugging — foundational programming skills |
| Computational Thinking | Ch 7 — Decomposition, Pattern Recognition, Abstraction, Algorithm: life problem-solving skills |
| AI Literacy & Future Readiness | Ch 10 — Understanding AI, machine learning, ethical use of AI — NEP 2020 future skills |
| Digital Citizenship & Online Safety | Ch 6 — Cyberbullying awareness, safe browsing, responsible online behaviour, email etiquette |
| Creativity & Design | Ch 3, 4, 5, 8 — Tinkercad 3D design, Word documents, presentations, Scratch animations |
| Spatial & 3D Thinking | Ch 3 — Tinkercad advanced: visualising 3D models; geometry in design — Art integration |
| Perseverance & Debugging | Ch 8, 9 — Scratch & Blockly: Finding and fixing errors in code; growth mindset |
| Ethics of Technology | Ch 6, 10 — Privacy, cyberbullying, responsible AI use, digital rights and responsibilities |
| Teamwork & Collaboration | Add-On Projects — Group project work; peer code review; digital collaboration tools |
| National Pride & STEM Heritage | Ch 10 — ISRO, AI in India, smart cities — India's contributions to technology |
| Financial & Time Management | Add-On: Planning projects within deadlines; Olympiad preparation discipline |

Note: This syllabus is aligned with NEP 2020. Assessment dates are as per school schedule. Practical lab sessions should accompany every chapter. The 4 built-in Periodic Assessments in the coursebook are to be completed before the respective school exams. Olympiad preparation (computer awareness MCQs) to be integrated from Term 2 onwards.

Book: New Mylestone Computer Science Coursebook Grade 4 — Dr Sandeep Saini & Manpreet Kaur, S Chand School · Aligned with NEP 2020 · Domains: Digital Literacy · Coding · Computational Thinking · Artificial Intelligence

Grade 4 — Art Exploration Annual Curriculum

Academic Year 2026–27

NCF 2023 Based Art & Craft Curriculum

Creativity · Drawing · Painting · Craft Work · Photography

Topics Covered

- Colour Code
- Lemon
- Daylily
- Puppy
- Sparrow
- Leaves
- Wet-on-Wet Technique: Fish
- Flower Doodling
- Brushpen Flowers
- Line Art: Mother's Love
- Zentangle Doodle
- Optical Illusion Art
- Shading Techniques
- Step by Step Tree
- Step by Step Elephant
- Mughal Painting Style
- Leaf Printmaking
- Mosaic Art
- Clay Art
- Stencil and Spray Art
- Trash to Treasure Vase
- Wall Hanging
- Computer Programme Lettering
- Photography & Light
- Understanding Viewfinders
- Shape Explorer

Monthly Teaching Plan

| Month | Topics | Activity | Learning Outcome |
|-------|---------------------------------------|----------------------|----------------------------------|
| April | Colour Code, Lemon, Daylily | Colouring Practice | Understanding colour application |
| May | Puppy, Sparrow, Leaves | Nature Drawing | Observation skills |
| July | Wet-on-Wet Technique, Flower Doodling | Watercolour Activity | Painting techniques |

| | | | |
|-----------|--------------------------------------|--------------------------|----------------------------|
| August | Brushpen Flowers, Line Art | Pen & Ink Work | Creative expression |
| September | Zentangle, Optical Illusion Art | Pattern Design | Imagination and focus |
| October | Shading Techniques, Tree Drawing | Sketching Practice | Shading and texture skills |
| November | Elephant Drawing, Mughal Painting | Traditional Art Activity | Understanding heritage art |
| December | Leaf Printmaking, Mosaic Art | Craft Work | Fine motor skills |
| January | Clay Art, Stencil & Spray Art | Model Making | 3D creativity |
| February | Trash to Treasure Vase, Wall Hanging | Recycling Craft | Environmental awareness |
| March | Photography & Light, Shape Explorer | Photography Activity | Visual exploration |

Assessment Plan

| Assessment | Time | Syllabus | Components |
|------------------------|-----------|-------------------|------------------------|
| Portfolio Assessment | July | Topics 1–8 | Drawing + Colouring |
| Half Yearly Evaluation | September | Topics 1–14 | Sketching + Creativity |
| Craft Assessment | December | Craft Activities | Model & Craft Work |
| Annual Evaluation | March | Complete Syllabus | Art File + Project |

Skills Developed

- Creativity and imagination
- Drawing and colouring skills
- Observation and visual analysis
- Fine motor coordination
- Design thinking
- Craftsmanship
- Photography basics
- Traditional art appreciation
- Teamwork and collaboration
- Presentation skills

Note: This curriculum is designed according to NCF 2023 guidelines and experiential learning methods.