

Chinmay International School

Annual Syllabus Handbook

Grade 8

Academic Year 2026-27

English

Grade 8 | Academic Session 2026–27

CBSE · Aligned with NCF 2023 & NEP 2020

Textbook: New Mylestone English Grade 8 Parts A & B | Publisher: S. Chand School

1. Course Overview

The Grade 8 English course is designed to develop language proficiency across four competencies — Reading, Writing, Speaking, and Listening — in alignment with CBSE guidelines and the holistic aims of the National Education Policy 2020. The course is delivered through two integrated strands:

- Reader / Literature: New Mylestone English Coursebook Grade 8 Part A (three thematic units, 9 chapters including stories, poems and speeches)
- Grammar & Writing: New Mylestone English Grammar Book Grade 8 Part B (39 grammar units, revision tests, and writing formats)
- Supplementary Reader / Listening: Listening texts, Beyond the Text extension activities, and a project component

2. Reader Syllabus — New Mylestone English Part A

Three thematic units spanning prose (stories, speech) and poetry. Poems are indicated in italics in the textbook.

UNIT 1: Wit and Wisdom (starts p. 9)			
No.	Chapter / Piece Title	Genre / Type	Page
1	Emma Watson's Speech	Speech / Non-fiction	10
2	The Lumber Room	Story	23
3	The Village Schoolmaster	Poem (italics)	37
	Beyond the Text	Extension Activity	44

UNIT 2: Values and Dispositions (starts p. 46)			
No.	Chapter / Piece Title	Genre / Type	Page
4	Borda's Cat	Story	47
5	Little Girls Wiser Than Men	Story	61
6	I Remember, I Remember	Poem (italics)	77
	Beyond the Text	Extension Activity	85

UNIT 3: Mystery and Magic (starts p. 87)			
No.	Chapter / Piece Title	Genre / Type	Page
7	Smooth Sailing	Story	88

8	The Mousetrap	Story	105
9	The Listeners	Poem (italics)	121
	Beyond the Text	Extension Activity	127
	Listening Text	Listening Exercise	129

Key Learning Outcomes — Literature

- Comprehend and interpret prose narratives, non-fiction speeches, and poems.
- Identify literary devices: alliteration, simile, metaphor, personification, repetition, rhyme scheme.
- Analyse character motivation, theme, tone, and moral values embedded in texts.
- Respond creatively to texts through discussions, artwork, drama, and extended writing.
- Develop empathy and critical thinking through values-based literature (Units 1 & 2).

3. Grammar Syllabus — Detailed Contents (Units 1–39)

Source: New Mylestone English Grammar Book Grade 8 — Detailed Contents (as photographed). Units are grouped into Term I and Term II for systematic coverage.

Term I Grammar Units (Units 1–19)

Unit	Topic	Detailed Coverage
1	Determiners	Kinds of determiners, articles, demonstratives, possessive determiners, primary and modal auxiliaries, structural functions of auxiliaries, uses of modal verbs, quantifiers, numbers, distributives, pre-determiners, correct use of determiners
2	Verbs: Primary Auxiliaries and Modal Auxiliaries	Introduction, regular and irregular verbs
3	Verbs: Tenses	Exercises and practice as per textbook
4	Tenses: Present and Past	Simple present tense, present continuous tense, present perfect tense, present perfect continuous tense, simple past tense, past continuous tense, past perfect tense, past perfect continuous tense
5	Talking about the Future	Simple future tense, simple present tense used for talking about the future, future continuous tense, future perfect tense, future perfect continuous tense
6	Verb Forms in Conditionals	Introduction, Type 0, Type 1, Type 2, Type 3, I wish I knew..., I wish I had known...
7	The Sequence of Tenses	Understanding and practising the sequence of tenses
8	Subject-Verb Agreement	Understanding and practising subject-verb agreement
9	Revision Test 1	Revision exercises of units 1–8
10	Mood	Introduction, indicative mood, imperative mood, subjunctive mood
11	The Infinitive	Introduction, finite and non-finite verbs, use of the infinitive
12	The Participle	Introduction, present participle, past participle, principle adjectives; uses of the participle, errors in the use of participles

Unit	Topic	Detailed Coverage
13	The Gerund	Introduction, uses of the gerund
14	Active and Passive Voice	Introduction, double object
15	Adverbs	Introduction, kinds of adverbs, classification of adverbs, adverbs and adjectives, position of adverbs, double negative adverbs
16	The Preposition	Introduction, phrase prepositions, participle prepositions, object to a preposition, some more prepositions
17	The Conjunction	Introduction, correlative conjunctions, compound conjunctions, classes of conjunctions, some conjunctions and their uses, changes made when turning direct into indirect speech
18	Punctuation	Introduction, full stop, comma, semicolon, colon, question mark, exclamation mark, inverted commas, dash, hyphen, parentheses, apostrophe, capital letters
19	Phrases	Noun phrase, adjective phrase, adverb phrase

Term II Grammar Units (Units 20–39 + Project & Listening)

Unit	Topic	Detailed Coverage
20	Clauses	Introduction, main clause and subordinate clause, kinds of subordinate clause
21	Analysis of Simple Sentences	Introduction, understanding and analysing simple sentences
22	Analysis of Complex Sentences	Introduction, understanding and analysing complex sentences, clause value
23	Analysis of Compound Sentences	Introduction, understanding and analysing compound sentences, compound-complex sentence
24	Transformation of Sentences	Introduction, different ways of expressing the adverb 'Too', ways of expressing a concession or contrast, expressing a concession, interchange of affirmative and negative sentences, interchange of sentences, different ways of expressing degrees of comparison, interchange of active and passive voice, interchange of assertive sentences, interchange of interrogative and assertive sentences
25	Transformation of Sentences (Contd.)	Conversion of simple sentences to compound sentences, conversion of compound sentences to simple sentences, conversion of simple sentences to complex sentences, conversion of complex sentences to simple sentences, conversion of compound sentences to complex sentences, interchange of principal and subordinate clauses
26	Synthesis of Sentences I	Combining two or more simple sentences into a single compound sentence
27	Synthesis of Sentences II	Combining two or more simple sentences into a single compound or complex sentence
28	Synthesis of Sentences III	Synthesis of sentences in various conditions, when subordinate clause is a noun clause, when subordinate clause is an adjective clause, when subordinate clause is an adverb clause
29	Comprehension	Story comprehension, poetry comprehension, factual and inferential questions
30	Revision Test 3	Revision exercises of units 19–28

Unit	Topic	Detailed Coverage
31	Creative Writing and Stories	Understanding and practising story writing, writing based on imagination
32	Book Review/Film Review	Understanding, analysing and practising book review, film review
33	Data Interpretation	Introduction, understanding and practising data collection
34	Dialogue Writing/Skit	Introduction, understanding and practising dialogue writing, skit, dialogues from story
35	Writing Notices	Introduction, understanding and practising notice writing
36	News Reports	Introduction, understanding and practising news reports
37	Diary Entry	Introduction, understanding and practising diary entry
38	Letters and Emails	Introduction to formal letters, understanding and practising formal letters, commands and requests, understanding and practising exclamations and wishes, conversion of indirect to direct, introduction, rules for changing direct speech into indirect questions, conjunctions, some conjunctions and their uses, changes made when turning direct into indirect speech
39	Listen and Speak / Words	Listening to story/poems and completing exercises; irregular verbs, appropriate prepositions, more about prepositions, some more prepositions, preposition may or may not follow a verb, no use of infinitive, same word/different parts of speech
—	Project	A mix of grammar and a hands-on task
—	Listening Text	Text for listening exercises; grammar practice through a fun board game

4. Writing Formats — Annual Coverage

Writing Format	Key Skills Developed	Term
Formal Letter / Email	Structure, formal register, salutation, subject line, closing	Term I
Notice Writing	Brevity, clarity, official format, NOTICE heading convention	Term I
News Report	5 Ws & H, headline, dateline, inverted pyramid structure	Term I
Diary Entry	Reflective writing, personal voice, date/day format	Term I
Comprehension Passages	Skimming, scanning, inferential & literal questions	Term I
Creative Story Writing	Plot structure, characterisation, dialogue, narrative arc	Term II
Book / Film Review	Critical analysis, opinion, evidence, summary vs critique	Term II
Data Interpretation	Reading charts/tables, analytical writing, factual reporting	Term II
Dialogue Writing / Skit	Natural dialogue, stage directions, register, humour	Term II
Letters & Emails (Informal)	Friendly tone, layout, expression of ideas	Term II
Project	Research, presentation, grammar integration	Term II
Listen & Speak / Words	Oral fluency, vocabulary, irregular verbs,	Both Terms

Writing Format	Key Skills Developed	Term
	prepositions	

5. Term-wise Distribution

Term	Reader (Part A)	Grammar (Part B)	Writing Formats
Term I (Apr–Sep)	Unit 1 (Ch. 1–3 + Beyond the Text) Unit 2 (Ch. 4–6 + Beyond the Text)	Units 1–14 (Determiners to Active/Passive Voice) Revision Test 1 (after Unit 9)	Formal Letter, Comprehension, Diary Entry, Notice Writing, News Report
Term II (Oct–Mar)	Unit 3 (Ch. 7–9 + Beyond the Text + Listening Text)	Units 15–39 (Adverbs to Listening/Project) Revision Test 2 (after Unit 18), Revision Test 3 (after Unit 28)	Creative Writing, Book/Film Review, Data Interpretation, Dialogue/Skit, Letters & Emails, Project

6. Assessment Structure (CBSE / NEP Guidelines)

Assessment	Month	Scope / Components	Marks
Periodic Test 1	July	Unit 1 Reader + Grammar Ch. 1–9	20 Marks
Half-Yearly Examination	September	Units 1–2 Reader + Grammar Ch. 1–14	80 Marks
Periodic Test 2	December	Unit 3 Reader + Grammar Ch. 15–28	20 Marks
Annual Examination	March	Full Year (All Units + Grammar)	80 Marks
Notebook / Classwork	Ongoing	Regularity, neatness, accuracy	5 Marks
Subject Enrichment	Each Term	Project, Listen & Speak, Beyond the Text	5 Marks

Paper Pattern (Annual / Half-Yearly): Section A — Reading Comprehension (20M) | Section B — Writing (20M) | Section C — Grammar (20M) | Section D — Literature (20M)

7. Pedagogy & NEP 2020 Integration

Approach	Implementation in English
Reading Aloud & Shared Reading	Teacher-led reading of passages; focus on pronunciation, intonation and expression.
Collaborative Learning	Group discussions on themes (Wit & Wisdom, Values, Mystery); peer editing of writing tasks.
Inquiry-Based Tasks	'Beyond the Text' activities after each unit prompt students to research, discuss and present.
Multilingual Awareness	Word origins, borrowed words, and bilingual vocabulary exercises embedded in grammar units.
Technology Integration	Audio/video resources for listening comprehension; digital grammar practice tools.
Art Integration	Illustrated story maps, character sketches, drama/skit enactment for Unit 3 stories.
Formative Assessment	Exit slips, oral Q&A, peer reading response journals, portfolio of writing samples.
Vocabulary Development	Listen & Speak / Words section; irregular verbs, prepositions, parts of speech in context.

हिंदी

कक्षा 8 | शैक्षणिक सत्र 2026-27

CBSE · NCF 2023 · NEP 2020 | New Mylestone Hindi Grade 8 (S. Chand School)

अ. विषय-सूची — सभी 14 पाठ (New Mylestone Hindi Grade 8)

पाठ	पाठ का नाम	प्रकार	पृष्ठ	सत्र	शब्द बोध	वाक्य बोध	लेखन	कौशल
1	जाग रहे हम वीर जवान	कविता	पृ.7	सत्र I	पर्यायवाची शब्द, श्रुतिसम-भिन्नार्थक शब्द एवं प्रयोग, विलोम शब्द	—	कविता रचना	प्रतापी राजाओं की कहानी इंटरनेट से सुनना-सुनाना; कविता पाठ स...
2	दावत की अदावत	कहानी	पृ.13	सत्र I	पर्यायवाची शब्द, श्रुतिसम-भिन्नार्थक शब्द, शब्द युग्म	की/कि का प्रयोग, 'ने' का प्रयोग, विराम चिह्न प्रयोग, मुहावरे अर्थ एवं प्रयोग	संवाद लेखन, मुहावरे के प्रयोग द्वारा अनुच्छेद लेखन	अन्नपूर्णा वर्मा की 'अकबरी लोटा' यूट्यूब से सुनकर प्रसुनना...
3	परोपकार में संध	कहानी	पृ.18	सत्र I	उपसर्ग-प्रत्यय, संधि युक्त शब्द पठन (दीर्घ), एकाधिक सार्थक शब्दों का निर्माण, विलोम शब्द, वाक्यांशों के लिए एक शब्द	संज्ञा एवं भेद, सुंदर भाषा प्रयोग	अनुच्छेद एवं लेख लेखन	यूट्यूब पर दोहे, व्यंग्य श्रवण चिंतन-मनन...
4	नेता जी का पत्र	पत्र	पृ.23	सत्र I	उपसर्ग, इक/इत प्रत्यय, सामासिक शब्द और विग्रह, एकाधिक सार्थक शब्दों का निर्माण, विलोम शब्द, वाक्यांशों के लिए एक शब्द	रचना के आधार पर वाक्य भेद-सरल, संयुक्त और मिश्रित वाक्य	पत्र लेखन	एन.सी.ई.आर.टी. द्वारा रेडियो प्रभाव का ऑडियो प्रोग्राम सुनना...
5	इस रिमझिम में चाँद हँसा	कविता	पृ.28	सत्र I	शब्द युग्मों का अर्थ, युगित शब्द, श्रुतिसम-भिन्नार्थक शब्द, पर्यायवाची शब्द	—	अनुच्छेद लेखन	यूट्यूब से कवि की अनसुनी कहानी...
6	गुल्ली-डंडा	कहानी	पृ.33	सत्र I	वचन परिवर्तन, भाववाचक संज्ञा शब्द, तत्सम शब्द, वर्ग पहेली	उचित अर्थ के आधार पर वाक्य भेद, विराम चिह्न	वाद-विवाद लेखन	यूट्यूब से प्रेमचंद की कहानी 'दो बेलों की कथा' - सी.आई.टी., ...
7	मुसकराहट का रहस्य	कहानी	पृ.38	सत्र II	हिंदी पर्याय, उपसर्ग, मूल शब्द और प्रत्यय, विलोम एवं पर्यायवाची शब्द,	वाक्य निर्माण 'कर' क्रिया पद के साथ, 'भी' प्रयोग	पत्र लेखन एवं ईमेल लेखन	टॉलस्टॉय के जीवन पर आधारित वार्ता सी.आई.टी.,

पाठ	पाठ का नाम	प्रकार	पृष्ठ	सत्र	शब्द बोध	वाक्य बोध	लेखन	कौशल
					शब्द पहेली – प्रज एवं खड़ी बोली शब्द पहचानना			एन.सी.ई.आर.टी. ...
8	सुदामा चरित	काव्य	पृ.43	सत्र II	तत्सम, तद्भव, समानार्थी एवं एकार्थी/अनेकार्थी शब्द	—	संकेत बिंदुओं के आधार पर अनुच्छेद लेखन, सूक्ति लेखन	यूट्यूब से पद/गीत सुनकर पूछे गए प्रश्नों के उत्तर देना...
9	ताई	कहानी	पृ.47	सत्र II	वर्णमाला क्रम से शब्दों को लगाना, उपसर्ग, मूल शब्द, प्रत्यय अलग करना, पर्यायवाची, विलोम शब्द, सामासिक शब्दों का विग्रह, ...	अविकारी शब्द – क्रियाविशेषण पहचान, सर्वनाम और उसके भेद, मुहावरा प्रयोग	विंदुओं को ध्यान में रखते हुए, दिशानिर्देशों को ध्यान में रखते हुए विज्ञापन लेखन करना	पत्र से संबंधित सामान्य भाव और दार्शनिक भाव वाले गीत सुनना...
10	यंत्रयुग	निबंध	पृ.51	सत्र II	र के रूप, उपसर्ग-प्रत्यय, विशेषण एवं भेद	वाक्य में विराम चिह्न के प्रयोग एवं अविकारी संबोधक शब्द	एकांकी की कहानी रूप में लेखन और स्लोगन लेखन	ऑनलाइन प्रेक कविताएँ...
11	भारतीय परंपरा में वृक्ष वंदन	निबंध	पृ.56	सत्र II	वचन परिवर्तन, तिर्यक प्रयोग, गुण संधि	समुच्चयबोधक अव्यय शब्द प्रयोग, अशुद्धि शोधन	सूचना लेखन	एन.सी.ई.आर.टी. रेडियो बाल पत्रिका रोचेली – परंवरण...
12	सच है, विपत्ति जब आती है...	कविता	पृ.60	सत्र II	लिंग पहचान, तत्सम शब्द, भाववाचक शब्द, पर्यायवाची, नए सार्थक शब्द, शब्द परिवार	मुहावरे का वाक्य में प्रयोग	कहानी के प्रथम दो गद्यांशों का सार लेखन करना	बी.बी.सी. न्यूज हिंदी फणीश्वर नाथ 'रेणु' द्वारा लिखित 'मेला'...
13	ठेस	कहानी	पृ.65	सत्र II	तद्भव से तत्सम, विशेषण-विशेष्य मिलान	अकर्मक-सकर्मक क्रिया, काल एवं वाच्य वाक्य भेद प्रयोग	संकेत बिंदुओं के आधार पर अनुच्छेद लिखना और डायरी लेखन करना	लोककथानिका मालिनी अवस्थी के लोकगीत यूट्यूब से सुनना...
14	होली : साम्य का त्योहार	निबंध	पृ.69	सत्र II	भाववाचक संज्ञा शब्द सूची, अर्थ विभिन्न शब्द, निर्देशानुसार उत्तर, शब्द लड़ी	शुद्ध वाक्य, वाक्य परिवर्तन करना	संकेत बिंदुओं के आधार पर अनुच्छेद लिखना और डायरी लेखन करना	लोककथानिका मालिनी अवस्थी के लोकगीत यूट्यूब से सुनना...

ब. परीक्षा-कैलेंडर 2026-27

परीक्षा	माह	पाठ्यक्रम	अंक	टिप्पणी
आवधिक परीक्षा 1 (PT1)	जुलाई 2026	पाठ 1-4 + व्याकरण (वर्ण, शब्द, वाक्य बोध)	20 अंक	40 मिनट
अर्धवार्षिक परीक्षा	सितंबर 2026	पाठ 1-6 + संपूर्ण व्याकरण (सत्र 1)	80 अंक	3 घंटे

परीक्षा	माह	पाठ्यक्रम	अंक	टिप्पणी
आवधिक परीक्षा 2 (PT2)	दिसंबर 2026	पाठ 7-10 + व्याकरण	20 अंक	40 मिनट
वार्षिक परीक्षा	मार्च 2027	पाठ 1-14 + संपूर्ण व्याकरण (पूर्ण वर्ष)	80 अंक	3 घंटे
नोटबुक / कक्षाकार्य	सतत	नियमितता, स्वच्छता, शुद्धता	5 अंक	सतत मूल्यांकन
विषय संवर्धन (परियोजना)	प्रत्येक सत्र	लेखन परियोजना, वाचन, श्रवण गतिविधि	5 अंक	प्रत्येक सत्र

प्रश्नपत्र प्रारूप (वार्षिक/अर्धवार्षिक — 80 अंक): खंड अ — अपठित गद्यांश (20 अंक) | खंड ब — व्याकरण (20 अंक) | खंड स — पाठ्यपुस्तक (20 अंक) | खंड द — लेखन (20 अंक)

स. मासिक विषय वार्षिक समय-सारणी (SAT)

★ = परीक्षा माह | सभी कौशल — श्रवण, वाचन, लेखन, पठन — प्रत्येक माह में सम्मिलित

माह	दिन	पाठ संख्या	पाठ का नाम	विषय-वस्तु एवं व्याकरण	कौशल एवं गतिविधि	मूल्यांकन	गृहकार्य
अप्रैल 2026	~ 22 दिन	पाठ 1	जाग रहे हम वीर जवान	• वीर रस की कविता — भाव-बोध • पर्यायवाची, विलोम, श्रुतिसम-भिन्नार्थक शब्द • अनुस्वार, संयुक्त व्यंजन	समवेत पठन; कविता रचना; QR कोड निर्माण; स्टोरीबोर्ड	कक्षाकार्य, मौखिक प्रश्नोत्तर, कविता लेखन	10 वीर रस की कविताएँ लिखें; पर्यायवाची सूची बनाएँ
मई 2026	~ 20 दिन	पाठ 2 व 3	दावत की अदावत + परोपकार में संघ	• कहानी पाठ — पात्र, घटना, संवाद • पर्यायवाची, शब्द युग्म, उपसर्ग-प्रत्यय, संधि • की/कि, 'ने' का प्रयोग; संज्ञा एवं भेद • संवाद लेखन, अनुच्छेद लेखन	संवाद लेखन; विचार प्रस्तुति; डिजिटल टाइमलाइन; सामूहिक परियोजना	लेखन कार्य; शब्द बोध परीक्षा	संवाद लिखें; उपसर्ग-प्रत्यय की सूची बनाएँ
जून 2026	~ 18 दिन	पाठ 4 व 5	नेता जी का पत्र + इस रिमझिम में चौद हँसा	• पत्र-लेखन (औपचारिक) — रचना एवं विश्लेषण • सामासिक शब्द, इक/इत प्रत्यय • वाक्य भेद: सरल, संयुक्त, मिश्रित • कविता — हाव-भाव सहित पठन, शब्द युग्म	पत्र लेखन; गीत गायन; समवेत कविता पठन	पत्र लेखन कार्य; कविता वाचन मूल्यांकन	एक औपचारिक पत्र लिखें; 5 सामासिक शब्दों का विग्रह करें
जुलाई 2026	~ 23 दिन ★ आवधिक परीक्षा 1	पाठ 6	गुली-डंडा + आवधिक परीक्षा 1	• प्रेमचंद की कहानी — भाव-विश्लेषण • वचन परिवर्तन, नुक्तयुक्त शब्द, तत्सम शब्द • वाक्य भेद, विराम चिह्न • वाद-विवाद लेखन	भाषण देना; कहानी विचार प्रस्तुति; वाद-विवाद	★ आवधिक परीक्षा 1 (पाठ 1-4 + व्याकरण) जुलाई 2026	वाद-विवाद के पक्ष/विपक्ष में बिंदु तैयार करें
अगस्त 2026	~ 22 दिन	पाठ 6 (जारी) + पुनरावृत्ति	पुनरावृत्ति: पाठ 1-6	• पाठ 1-6 का पूर्ण पुनरावृत्ति • व्याकरण: वर्ण बोध, शब्द बोध, वाक्य बोध • पठन, लेखन, श्रवण कौशल का अभ्यास	पुनरावृत्ति कार्यपत्र; मौखिक अभ्यास; साथियों के साथ पठन	इकाई परीक्षा; मौखिक वाचन मूल्यांकन	नमूना प्रश्नपत्र हल करें; सभी मुहावरें याद करें
सितंबर 2026	~ 20 दिन ★ अर्धवार्षिक परीक्षा	पाठ 1-6 पूर्ण पुनरावृत्ति	अर्धवार्षिक परीक्षा	• पूर्ण पुनरावृत्ति: पाठ 1-6 • व्याकरण: सभी विषय • पठन बोध, लेखन, श्रवण	परीक्षा पूर्व मॉक टेस्ट; प्रश्नोत्तर अभ्यास	★ अर्धवार्षिक परीक्षा (पाठ 1-6 + संपूर्ण व्याकरण) सितंबर 2026	सभी पाठ पुनः पढ़ें; व्याकरण सूत्र याद करें
अक्टूबर 2026	~ 21 दिन	पाठ 7 व 8	मुसकराहट का रहस्य + सुदामा चरित	• कहानी: टॉलस्टॉय आधारित • 'ह' का उच्चारण; उपसर्ग-प्रत्यय; तत्सम-तद्भव • वाक्य निर्माण 'कर' क्रिया; 'भी' प्रयोग • पत्र एवं ईमेल लेखन; सूक्ति लेखन	पत्र/ईमेल लेखन; आलोचनात्मक विचार; पद गायन	पत्र लेखन; शब्द बोध परीक्षण	एक ईमेल लिखें; 10 तत्सम-तद्भव शब्द-युग्म बनाएँ
नवंबर 2026	~ 22 दिन	पाठ 9 व 10	ताई + यंत्रयुग	• कहानी: बुजुर्ग पात्र, संवेदना • वर्णमाला क्रम, सामासिक शब्द, अविकारी शब्द • क्रियाविशेषण, सर्वनाम भेद, मुहावरा प्रयोग • विज्ञापन लेखन; एकांकी कहानी लेखन	हाव-भाव सहित वाचन; विज्ञापन लेखन; एकांकी मंचन	विज्ञापन लेखन; वाक्य भेद परीक्षण	एक विज्ञापन लिखें; 5 मुहावरों का वाक्य में प्रयोग
दिसंबर 2026	~ 20 दिन ★ आवधिक परीक्षा 2	पाठ 11 + आ.प.2	भारतीय परंपरा में वृक्ष वंदन + आवधिक परीक्षा 2	• निबंध: पर्यावरण चेतना • पंचमाक्षर, गुण संधि, तिर्यक प्रयोग • समुच्चयबोधक अव्यय; अशुद्धि शोधन • सूचना लेखन	सूचना लेखन; कोलाज निर्माण; इंटरनेट शोध; पेड़ संरक्षण चर्चा	★ आवधिक परीक्षा 2 (पाठ 7-10 + व्याकरण) दिसंबर 2026	एक सूचना लिखें; पौधों का कोलाज बनाएँ

माह	दिन	पाठ संख्या	पाठ का नाम	विषय-वस्तु एवं व्याकरण	कौशल एवं गतिविधि	मूल्यांकन	गृहकार्य
जनवरी 2027	~ 23 दिन	पाठ 12 व 13	सच है, विपत्ति जब आती है... + ठेस	• कविता: विपत्ति में धैर्य • पंचम वर्ण, लिंग पहचान, तत्सम शब्द, शब्द परिवार • मुहावरा प्रयोग; अकर्मक-सकर्मक क्रिया • काल एवं वाच्य वाक्य भेद; डायरी लेखन	कविता वाचन; सार लेखन; डायरी लेखन; कहानी पठन	कविता सार लेखन; क्रिया परीक्षण	डायरी लिखें; 5 मुहावरों का वाक्य में प्रयोग
फरवरी 2027	~ 20 दिन	पाठ 14 + पुनरावृत्ति	होली : साम्य का त्योहार + संपूर्ण पुनरावृत्ति	• निबंध: सांस्कृतिक विषय — होली • भाववाचक संज्ञा, शब्द लड़ी, वाक्य परिवर्तन • पाठ 7-14 पुनरावृत्ति; मॉक परीक्षा	पुनरावृत्ति कार्यपत्र; मॉक टेस्ट; डायरी/अनुच्छेद लेखन	मॉक वार्षिक परीक्षा (संपूर्ण पाठ्यक्रम)	नमूना प्रश्नपत्र हल करें; व्याकरण पुनरावृत्ति
मार्च 2027	~ 8 दिन ★ वार्षिक परीक्षा	पाठ 1-14 (संपूर्ण)	वार्षिक परीक्षा	संपूर्ण वार्षिक पाठ्यक्रम: • पाठ 1-6 (प्रथम सत्र) • पाठ 7-14 (द्वितीय सत्र) • संपूर्ण व्याकरण	परीक्षा पूर्व अंतिम पुनरावृत्ति; मुहावरे एवं व्याकरण	★ वार्षिक परीक्षा (पाठ 1-14 + संपूर्ण व्याकरण) मार्च 2027	—

द. पाठ्यक्रम और कौशल — विस्तृत तालिका

स्रोत: New Mylestone Hindi Grade 8 — पाठ्यक्रम और कौशल (छवियाँ 1 एवं 3 से)

पाठ	पाठ का नाम	वर्ण बोध	शब्द बोध	वाक्य बोध	पठन	श्रवण	वाचन	लेखन	अंतरविषयी	डिजिटल
1	जाग रहे हम वीर जवान	अनुस्वार युक्त शब्दों की सूची बनाना, पंचमाक्षर पहचान, संयुक्त व्यंजन	पर्यायवाची शब्द, श्रुतिसम-भिन्नार्थक शब्द एवं प्रयोग, विलोम शब्द	—	पूर्ण लय के साथ एकल समवेत पठन	प्रतापी राजाओं की कहानी इंटरनेट से सुनना-सुनाना; कविता पाठ से प्रश्नों के उत्तर	कविता का स्वर वाचन, वीर सैनिक/जवान का साक्षात्कार	कविता रचना	इतिहास, भूगोल	QR-AR कोड बनाने में सहयोग करना, PPT बनाना
2	दावत की अदावत	अनुनासिकता, वर्ण विच्छेद-अनुनासिक एवं अनुस्वार	पर्यायवाची शब्द, श्रुतिसम-भिन्नार्थक शब्द, शब्द युग्म	की/कि का प्रयोग, 'ने' का प्रयोग, विराम चिह्न प्रयोग, मुहावरे अर्थ एवं प्रयोग	कहानी के मूल भाव को समझना	अन्नपूर्णा वर्मा की 'अकबरी लोटा' यूट्यूब से सुनकर प्रसुनना	विचार प्रस्तुति, व्यंजन चर्चा, विचार-विमर्श	संवाद लेखन, मुहावरे के प्रयोग द्वारा अनुच्छेद लेखन	सामाजिक विज्ञान	डिजिटल टाइमलाइन दुआरा मॉडल जेल से संबंधित एक डॉक्युमेंट्री ब...
3	परोपकार में संध	वर्ण विच्छेद, उ की मात्रा, नुक्ता प्रयोग	उपसर्ग-प्रत्यय, संधि युक्त शब्द पठन (दीर्घ), एकाधिक सार्थक शब्दों का निर्माण, विलोम शब्द, वाक्यांशों के लिए एक...	संज्ञा एवं भेद, सुंदर भाषा प्रयोग	कहानी पठन-वाचन, भाषा का सुंदर प्रयोग	यूट्यूब पर दोहे, व्यंग्य श्रवण चिंतन-मनन	विचारों को अपने शब्दों में कहना	अनुच्छेद एवं लेख लेखन	सामाजिक विज्ञान	डिजिटल टाइमलाइन द्वारा मॉडल जेल से संबंधित एक डॉक्युमेंट्री ...
4	नेता जी का पत्र	—	उपसर्ग, इक/इत प्रत्यय, सामासिक शब्द और विग्रह, एकाधिक सार्थक शब्दों का निर्माण, विलोम शब्द, वाक्यांशों के लिए ...	रचना के आधार पर वाक्य भेद-सरल, संयुक्त और मिश्रित वाक्य	पत्र पठन-वाचन	एन.सी.ई.आर.टी. द्वारा रेडियो प्रभाव का ऑडियो प्रोग्राम सुनना	विचार चर्चा 'कदम-कदम बढ़ाए जा' गीत समवेत स्वर में गायन सुनना	पत्र लेखन	सामाजिक विज्ञान	डिजिटल टाइमलाइन द्वारा मॉडल जेल से संबंधित एक डॉक्युमेंट्री ...
5	इस रिमझिम में चाँद हँसा	शु/श पहचान-प्रयोग, ङ/ङ मात्रा युक्त शब्द	शब्द युग्मों का अर्थ, युगित शब्द, श्रुतिसम-भिन्नार्थक शब्द, पर्यायवाची शब्द	—	पूर्ण हाव-भाव सहित कविता पठन-वाचन	यूट्यूब से कवि की अनसुनी कहानी	कविता का समस्वर गायन	अनुच्छेद लेखन	विज्ञान	—
6	गुल्ली-डंडा	वर्ण विच्छेद, नुक्तायुक्त शब्दों की सूची, वचन परिवर्तन	वचन परिवर्तन, भाववाचक संज्ञा शब्द, तत्सम शब्द, वर्ग पहली	उचित अर्थ के आधार पर वाक्य भेद, विराम चिह्न	उचित गति से कहानी पठन-वाचन	यूट्यूब से प्रेमचंद की कहानी 'दो बैलों की कथा' - सी.आई.टी., एन.सी.ई.आर.टी. द्वार...	भाषण देना, कहानी पर विचार प्रस्तुति	वाद-विवाद लेखन	—	—
7	मुसकराहट का रहस्य	'ह' का उच्चारण	हिंदी पर्याय, उपसर्ग, मूल शब्द और प्रत्यय, विलोम एवं पर्यायवाची शब्द, शब्द पहली - प्रज एवं खड़ी बोली शब्द	वाक्य निर्माण 'कर' क्रिया पद के साथ, 'भी' प्रयोग	शुद्ध उच्चारण के साथ कहानी पठन-वाचन	टॉलस्टॉय के जीवन पर आधारित वार्ता सी.आई.टी., एन.सी.ई.आर.टी.	आलोचनात्मक विचार प्रस्तुति	पत्र लेखन एवं ईमेल लेखन	राजनीति शास्त्र एवं बाल मनोविज्ञान	डिजिटल विज्ञापन का निर्माण करना

पाठ	पाठ का नाम	वर्ण बोध	शब्द बोध	वाक्य बोध	पठन	श्रवण	वाचन	लेखन	अंतरविषयी	डिजिटल
			पहच...			द्वारा निर्मित ऑडियो				
8	सुदामा चरित	—	तत्सम, तद्भव, समानार्थी एवं एकार्थी/अनेकार्थी शब्द	—	पदों का विशेष लय में पठन	यूट्यूब से पद/गीत सुनकर पूछे गए प्रश्नों के उत्तर देना	पाठ का विशेष छंद/गति में पाठ करना, परिचर्चा में भाग	संकेत बिंदुओं के आधार पर अनुच्छेद लेखन, सूक्ति लेखन	—	—
9	ताई	'ह' का उच्चारण, 'क्ष' की मात्रा का प्रयोग, वर्ण-विच्छेद	वर्णमाला क्रम से शब्दों को लगाना, उपसर्ग, मूल शब्द, प्रत्यय अलग करना, पर्यायवाची, विलोम शब्द, सामासिक शब्दों क...	अविकारी शब्द- क्रियाविशेषण पहचान, सर्वनाम और उसके भेद, मुहावरा प्रयोग	पूर्ण हाव-भाव, उचित गति से कहानी पठन-वाचन	पत्र से संबंधित सामान्य भाव और दार्शनिक भाव वाले गीत सुनना	शुरुभ उच्चारण सहित पूर्ण हाव-भाव से पाठ का पठन-वाचन	विंदुओं को ध्यान में रखते हुए, दिशानिर्देशों को ध्यान में रखते हुए विज...	—	—
10	यंत्रयुग	'ज' एवं 'झ' उच्चारण एवं शब्द सूची, हे वर्ण युक्त शब्दों का उच्चारण-सूची निर्माण	र के रूप, उपसर्ग-प्रत्यय, विशेषण एवं भेद	वाक्य में विराम चिह्न के प्रयोग एवं अविकारी संबोधक शब्द	एकांकी के संवादों का शुद्ध उच्चारण के साथ पूर्ण हाव-भाव से पठन	ऑनलाइन प्रेक कविताएँ	एकांकी पर अपने मित्रों से चर्चा तर्क प्रस्तुति	एकांकी की कहानी रूप में लेखन और स्लोगन लेखन	—	—
11	भारतीय परंपरा में वृक्ष वंदन	पंचमाक्षर पहचान एवं लेखन, सम युक्त शब्द, अनुनासिक युक्त शब्दों का उच्चारण एवं लेखन	वचन परिवर्तन, तिर्यक प्रयोग, गुण संधि	समुच्चयबोधक अव्यय शब्द प्रयोग, अशुद्धि शोधन	पाठ का शुद्ध उच्चारण के साथ द्रुतगति से पठन	एन.सी.ई.आर.टी. रेडियो बाल पत्रिका रोचेली - परंवरण	पाठ के बारे में दादी एवं नानी से चर्चा करके इनकी बताई बातों पर स्क्रिप्टेड से कक...	सूचना लेखन	सामाजिक विज्ञान	दो अलग झाड़ूयर का प्रयोग करना और उनमें अंतर बताना
12	सच है, विपत्ति जब आती है...	पंचम वर्ण लेखन	लिंग पहचान, तत्सम शब्द, भाववाचक शब्द, पर्यायवाची, नए सार्थक शब्द, शब्द परिवार	मुहावरे का वाक्य में प्रयोग	शुद्ध उच्चारण और हाव-भाव पूर्ण कविता का पठन/वाचन करना	बी.बी.सी. न्यूज़ हिंदी फणीश्वर नाथ 'रेणु' द्वारा लिखित 'मेला आँचल' का वीडियो	हिंदी भाषा की उपभाषाओं और बोलियों पर चर्चा	कहानी के प्रथम दो गद्यांशों का सार लेखन करना	—	—
13	ठेस	—	तद्भव से तत्सम, विशेषण-विशेष्य मिलान	अकर्मक-सकर्मक क्रिया, काल एवं वाच्य वाक्य भेद प्रयोग	पाठ का शुद्ध उच्चारण के साथ द्रुतगति से पठन	लोककथानिका मालिनी अवस्थी के लोकगीत यूट्यूब से सुनना	दी गई कविता का लय में वाचन	संकेत बिंदुओं के आधार पर अनुच्छेद लिखना और डायरी लेखन करना	—	—
14	होली : साम्य का त्योहार	—	भाववाचक संज्ञा शब्द सूची, अर्थ विभिन्न शब्द, निर्देशानुसार उत्तर, शब्द लड़ी	शुद्ध वाक्य, वाक्य परिवर्तन करना	पाठ का शुद्ध उच्चारण के साथ द्रुतगति से पठन	लोककथानिका मालिनी अवस्थी के लोकगीत यूट्यूब से सुनना	दी गई कविता का लय में वाचन	संकेत बिंदुओं के आधार पर अनुच्छेद लिखना और डायरी लेखन करना	—	—

ધોરણ ૮ ગુજરાતી વાર્ષિક આયોજન
CBSE / NEP 2020 / NCF 2023 અનુરૂપ

૧. શૈક્ષણિક પરિચય

ધોરણ ૮ ગુજરાતી વિષય માટેનું આયોજન ભાષાકૌશલ્ય, વાંચન, લેખન, સર્જનાત્મકતા અને મૂલ્ય શિક્ષણના વિકાસ માટે તૈયાર કરવામાં આવ્યું છે.

૨. નિર્ધારિત પાઠ્યપુસ્તકો

તોશા ગુજરાતી પાઠ્યપુસ્તક, વ્યાકરણ કાર્યપોથી અને પ્રવૃત્તિ ફાઇલનો સમાવેશ થાય છે.

૩. પરીક્ષા આયોજન

FA-1, SA-1, FA-2 અને SA-2 મુજબ મૂલ્યાંકન કરવામાં આવશે.

૪. માસવાર આયોજન

દરેક મહિને પાઠ, પ્રવૃત્તિ અને અભ્યાસકૃતિ આધારિત આયોજન કરવામાં આવ્યું છે.

૫. NEP/NCF ક્ષમતા નકશીકરણ

અનુભવ આધારિત શિક્ષણ, સંચાર કૌશલ્ય અને સર્જનાત્મક અભિગમનો સમાવેશ.

૬. મૂલ્યાંકન આયોજન

સતત અને વ્યાપક મૂલ્યાંકન પદ્ધતિ અપનાવવામાં આવશે.

૭. પુનરાવર્તન આયોજન

દરેક પરીક્ષા પહેલાં પુનરાવર્તન સપ્તાહનું આયોજન.

૮. શિક્ષક માર્ગદર્શિકા

વિદ્યાર્થી ક્રેન્ડિરત અને પ્રવૃત્તિ આધારિત શિક્ષણ અપનાવવું.

મહિનો	પાઠ	કૌશલ્ય	પ્રવૃત્તિ	અભ્યાસકૃતિ
એપ્રિલ	જ્યાં તારી લાગણી	વાંચન	કાવ્ય પઠન	ભાવ સમજ
જૂન	રોટી મેં ખાધી	શબ્દભંડોળ	જૂથ ચર્ચા	ભાષા વિકાસ
જુલાઈ	ભલાઈનું સારું	લેખન	પ્રશ્નેતરી	મૂલ્ય શિક્ષણ
ઓગસ્ટ	એક લાલ દરવાજો	વક્રત્વ	અભિનય	આત્મવિશ્વાસ
સપ્ટેમ્બર	પંખીઓનો નિશાળો	સર્જનાત્મકતા	ચિત્ર વર્ણન	કલ્પનાશક્તિ

(CBSE | NCERT | NEP 2020 | NCF 2023 अनुसारम्)

शैक्षणिक-अवलोकनम्

अस्याः वार्षिक-योजनायाः मुख्य-उद्देश्यम् विद्यार्थिषु संस्कृत-भाषायाः प्रति रुचिं वर्धयितुम्, भाषिक-कौशल-विकासं कर्तुं, नैतिक-मूल्यानां संवर्धनं च अस्ति।

निर्धारित-पाठ्यपुस्तकानि

परीक्षा-समयसारिणी

मासानुसार वार्षिक योजना

NEP/NCF Competency Mapping

मूल्यांकन-योजना

रचनात्मक तथा समापन-मूल्यांकनयोः माध्यमेन विद्यार्थीनां प्रगतेः मूल्यांकनं भविष्यति।

पुनरावृत्ति-योजना

शिक्षक-निर्देशाः

गतिविधि-आधारित-शिक्षणम्, समूह-कार्यं, संवादात्मक-अध्ययनं तथा मूल्य-शिक्षणं प्रमुखतया कार्यान्वितव्यम्।

क्रमांकः	पुस्तकस्य नाम	प्रकाशकः
1	दीपकम् — संस्कृत पाठ्यपुस्तकम्	NCERT
2	संस्कृत-व्याकरणम्	विद्यालय-प्रकाशनम्
3	अभ्यास-पुस्तिका	आन्तरिक-प्रयोगार्थम्

परीक्षा	मासः	पूर्णाङ्काः	पाठ्यक्रमः
FA-1	जुलाई 2026	20	पाठ 1-4
SA-1	सितम्बर 2026	80	पाठ 1-8
FA-2	दिसम्बर 2026	20	पाठ 9-12
SA-2	मार्च 2027	80	सम्पूर्णः पाठ्यक्रमः

मासः	पाठः	भाषिक-कौशलम्	गतिविधिः	मूल्य-शिक्षणम्
अप्रैल	सुभाषितानि	पठनम्	श्लोक-पाठः	सदाचारः

जून	नीतिकथाः	लेखनम्	समूह-चर्चा	नैतिकता
अगस्त	संस्कृत-गीतानि	श्रवणम्	गीत-गायनम्	संस्कृति
अक्टूबर	महापुरुषाः	वक्तृत्वम्	भूमिका-अभिनयः	प्रेरणा
दिसम्बर	भारतस्य संस्कृतिः	पठनम्	परियोजना-कार्यं	राष्ट्रीयता

कौशलम्	विवरणम्
पठन-कौशलम्	शुद्ध-वाचनम् एवं अर्थग्रहणम्
लेखन-कौशलम्	वाक्य-रचना एवं अनुच्छेद-लेखनम्
भाषिक-अभिव्यक्तिः	संवाद-अभ्यासः
मूल्य-शिक्षणम्	नैतिक-कथानां अध्ययनम्

परीक्षा	पुनरावृत्ति-अवधिः
FA-1	1 सप्ताहः
SA-1	2 सप्ताहौ
FA-2	1 सप्ताहः
SA-2	3 सप्ताहाः

Art & Craft

Grade 8 | Academic Session 2026–27

CBSE · NCF 2023 · NEP 2020 | Art & Craft Textbook Grade 8

A. Contents at a Glance — All 9 Sections

No.	Section	Activities / Topics	Medium	Key Skills	Learning Outcomes	Term	Pages
Art and its Evolution							
	Art: History and Timeline	History of art movements; timeline of world art; prehistoric to modern art	Research & Drawing	Research, chronological thinking, illustration	Illustrated art history timeline	Term I	p.6
	The Evolution of Art	Evolution from cave paintings to digital art; key art movements	Mixed Media	Critical thinking, art appreciation, discussion	Art movement chart / mind map	Term I	p.8
	Trends of the Era and Mixed Media Art	Contemporary art trends; mixed media techniques; collage and assemblage	Mixed Media	Experimentation, creativity, multi-material use	Mixed media artwork	Term I	p.9
Observation, Study & Arts							
	Observation is the Key to Drawing	Importance of observation; blind contour drawing; gesture drawing	Pencil / Sketching	Keen observation, hand-eye coordination, sketching	Contour and gesture sketches	Term I	p.12
	Understand the Difference Between 2D and 3D Figures	2D vs 3D representation; form, volume, depth on paper	Pencil / Pen	Spatial reasoning, perspective basics, shading	2D and 3D figure studies	Term I	p.14
	Perspective	One-point and two-point perspective; horizon line; vanishing point	Pencil / Ruler	Technical drawing, spatial understanding, precision	Perspective drawing of a room/street	Term I	p.15
	Perspective: Bug's View	Worm's-eye and bird's-eye perspective; unusual viewpoints	Pencil / Colour	Creative thinking, perspective application, imagination	Bug's view perspective drawing	Term I	p.16
	Collage Art	Principles of collage; tearing, cutting, layering techniques; theme-based collage	Mixed Media / Paper	Composition, material handling, creativity	Theme-based collage artwork	Term I	p.17

No.	Section	Activities / Topics	Medium	Key Skills	Learning Outcomes	Term	Pages
Still Life Art							
	Still Life: Bag	Observational drawing of a bag; proportion, texture, light & shadow	Pencil Sketch	Observation, proportion, shading basics	Pencil sketch of a bag	Term I	p.19
	Still Life: Baby Shoes	Drawing baby shoes; understanding form, folds, texture	Pencil Sketch	Fine motor skills, attention to detail, tone	Detailed pencil study of baby shoes	Term I	p.20
	Still Life: Cube (Pen Shading)	Geometric still life; cross-hatching and pen shading techniques	Pen & Ink	Pen control, tonal values, hatching	Pen shaded cube study	Term I	p.21
	Still Life: Cube (Pencil Shading)	Pencil shading; blending; light source and shadow on 3D form	Pencil	Gradation, blending, tonal range	Pencil shaded cube with cast shadow	Term I	p.22
Pen Work							
	Pen Work: Sunset	Landscape using pen; horizon, gradation with hatching, sunset sky	Pen & Ink	Pen technique, hatching, landscape composition	Pen work sunset landscape	Term I	p.24
	Pen Work: Optical Illusion	Creating optical illusions with pen; geometric patterns, tiling	Pen & Ink	Precision, pattern-making, visual perception	Optical illusion pen artwork	Term I	p.26
	Pen and Ink: Old Stone Arch	Architectural drawing; texture of stone; cross-hatching for depth	Pen & Ink	Architectural illustration, texture, pen shading	Pen & ink stone arch drawing	Term I	p.28
	Pen Work: Floral Mandala Fusion	Mandala design with floral elements; symmetry, repetition, zentangle	Pen	Symmetry, pattern, fine motor control, mindfulness	Floral mandala artwork	Term I	p.30
	Pen Work: Vintage Car	Technical drawing of a vintage car; proportion, line quality, shading	Pen & Ink	Proportion, detail, pen technique	Pen drawing of vintage car	Term I	p.32
	Pen Scribbling: Cartoon Character	Creating cartoon characters using scribbling technique	Pen	Expressive line work, character design, creativity	Scribble-style cartoon character	Term I	p.34
	Pen Doodling: Fantasy Creature	Imaginative doodling; designing fantasy creatures	Pen	Imagination, expressive drawing, doodling skills	Original fantasy creature doodle	Term I	p.35
	Pen Work: Bird Zentangle	Zentangle patterns within bird silhouette; pattern filling	Pen	Pattern repetition, fine detail, focus	Zentangle bird artwork	Term I	p.36
Shading							
	Pencil Shading:	Botanical drawing; pencil	Pencil	Gradation, botanical	Shaded botanical study	Term I	p.38

No.	Section	Activities / Topics	Medium	Key Skills	Learning Outcomes	Term	Pages
	Monstera Leaves	gradation on leaves; veining, texture		observation, pencil control			
	Pencil Detailing: Fuchsia Flowers	Detailed pencil rendering of fuchsia; petal texture, tone, form	Pencil	Detail work, tonal values, observation	Detailed pencil flower study	Term I	p.39
	Gradation Technique: Elephant	Gradation applied to animal drawing; texture of elephant skin	Pencil	Smooth gradation, texture, animal proportion	Gradated elephant study	Term II	p.40
	Pencil Shading: Twisted Trunk	Shading a twisted tree trunk; bark texture, light direction	Pencil	Texture rendering, directional shading, observation	Shaded twisted trunk drawing	Term II	p.42
Watercolour and Paintwork							
	Wet-on-wet Watercolour: Bee	Wet-on-wet watercolour technique; colour mixing, blooms	Watercolour	Watercolour control, colour blending, wet-on-wet	Watercolour bee painting	Term II	p.45
	Wet-on-wet Watercolour: Butterfly	Symmetry in butterfly wings; wet-on-wet colour blooms	Watercolour	Symmetry, colour mixing, watercolour fluidity	Butterfly watercolour painting	Term II	p.46
	Watercolour Blending: Scooter	Painting a scooter with watercolour; colour blending and wash	Watercolour	Controlled washes, blending, object rendering	Watercolour scooter painting	Term II	p.47
	Poster Colour Art: Landscape in Silhouette Sunset	Silhouette landscape; warm sunset gradation with poster colours	Poster Colour	Colour gradation, silhouette technique, composition	Silhouette sunset poster	Term II	p.48
	Acrylic Paint Work: Reflection Landscape	Water reflection in landscape; acrylic techniques, mirror effect	Acrylic	Acrylic handling, reflection technique, landscape painting	Acrylic reflection landscape	Term II	p.49
	Wet-on-wet Watercolour: Hanging Leaves	Negative space painting with watercolour; hanging leaves	Watercolour	Negative space, wet-on-wet, botanical painting	Hanging leaves watercolour	Term II	p.50
Portraits							
	Grid Drawing: Actor Portrait	Grid method for portrait enlargement; proportions of the face	Pencil / Grid	Grid transfer, proportion, portrait accuracy	Grid method actor portrait	Term II	p.52
	Grid Drawing: Kalam Portrait	Portrait of Dr. A.P.J. Abdul Kalam using grid; honour and values	Pencil / Grid	Grid method, likeness, shading, values education	Kalam portrait (grid method)	Term II	p.53

No.	Section	Activities / Topics	Medium	Key Skills	Learning Outcomes	Term	Pages
	Detailed Line Art: Indian Woman	Detailed line art; traditional Indian attire; intricate patterns	Pen / Fine Liner	Fine line control, pattern detail, cultural appreciation	Detailed line art portrait	Term II	p.54
Craft							
	Warli Folk Art Hanging	Warli tribal art tradition; geometric motifs on dark background	Craft / Paint	Folk art appreciation, pattern, cultural heritage	Warli art hanging display piece	Term II	p.56
	Literary Landscapes – A Mixed Media Collage	Combining text and image; literary themes in visual art; collage	Mixed Media	Mixed media, concept-to-art, literary connection	Literary landscape collage	Term II	p.57
	Earthen Pot Cone Craft	3D craft using clay or paper; earthen pot forms, surface decoration	Clay / Craft	3D construction, spatial thinking, decoration	Earthen pot cone craft object	Term II	p.59
Calligraphy							
	Hand-lettering: 3D Brush Script	Brush lettering; 3D shadow effect on letters; lettering design	Brush & Ink	Brush control, lettering, 3D effect, typography	3D brush script lettering artwork	Term II	p.62
	Brush Script Practice: Variable Lettering Flow	Variable thick-thin brush strokes; lettering flow and rhythm	Brush & Ink	Pressure variation, brush technique, calligraphic flow	Variable flow brush script practice	Term II	p.64
Photography							
	Framing and Composition	Rule of thirds; framing; leading lines; foreground, mid-ground, background	Photography / Digital	Composition, visual literacy, digital photography	Composed photograph portfolio	Term II	p.67
	Photo Stories	Sequential photography; visual narrative; photo essay	Photography / Digital	Storytelling, sequencing, digital media	5-image photo story	Term II	p.74
	Photography and Mindfulness	Mindful photography; slowing down; noticing details in nature	Photography	Mindfulness, observation, emotional expression	Mindfulness photo series	Term II	p.78
	Digital Etiquette and Safety	Safe sharing of images; copyright; digital footprint; ethics	Discussion / Digital	Digital citizenship, critical thinking, online safety	Digital safety charter / pledge	Term II	p.82
	Creative Photography	Creative angles; light and shadow; abstract photography	Photography / Mobile	Creative vision, lighting, experimental photography	Creative photography portfolio	Term II	p.87
	Editing Basics in Mobile Phone	Basic photo editing: crop, brightness, contrast, filters; ethical editing	Mobile / Digital	Digital editing, technology literacy, aesthetics	Before-and-after edited photo set	Term II	p.94

No.	Section	Activities / Topics	Medium	Key Skills	Learning Outcomes	Term	Pages
	Art Project: Our School, Our Story	Year-end documentary project; school as subject; teamwork	Mixed / Photography	Collaboration, storytelling, documentation, presentation	Photo documentary of school life	Term II	p.100

B. Assessment Structure (CBSE / NEP 2020)

Assessment	Schedule	Components	Marks	Remarks
Periodic Test 1 (PT1)	July 2026	Term I portfolio review: Art & Evolution, Observation, Still Life, Pen Work (Part 1)	20 Marks	Portfolio + class observation
Half-Yearly Assessment	September 2026	Full Term I portfolio presentation: all sections covered (Apr–Sep)	30 Marks	Display / exhibition format
Periodic Test 2 (PT2)	December 2026	Term II portfolio review: Shading, Watercolour, Portraits, Craft	20 Marks	Portfolio + peer assessment
Annual Assessment	March 2027	Full year portfolio + Art Project: Our School, Our Story	30 Marks	Exhibition + presentation
Continuous Assessment	Ongoing	Regularity, effort, creativity, neatness of artworks, sketchbook upkeep	Formative	Every session

Assessment Criteria for Each Artwork: Composition (25%) | Technique & Medium Use (25%) | Creativity & Originality (25%) | Neatness & Effort (25%)

C. Month-by-Month Subject Annual Timetable (SAT)

★ = Assessment month. Periods are approximate (school schedule may vary). Landscape format for classroom display.

Month	Periods	Section	Activities Covered (with Page Nos.)	Skills & Focus	Assessment / Evaluation	Homework / Extension
APRIL 2026	~4 periods	Art and its Evolution	Art: History & Timeline (p.6) The Evolution of Art (p.8) Trends of the Era & Mixed Media Art (p.9)	Research, timeline illustration, mixed media exploration	Art history timeline; mixed media artwork	Collect images of 5 art movements
MAY 2026	~4 periods	Observation, Study & Arts	Observation is the Key to Drawing (p.12) 2D and 3D Figures (p.14) Perspective (p.15) Perspective: Bug's View (p.16) Collage Art (p.17)	Observational drawing, perspective techniques, 2D/3D, collage	Perspective drawing; collage artwork	Sketch 5 objects from observation at home
JUNE 2026	~4 periods	Still Life Art	Still Life: Bag (p.19) Still Life: Baby Shoes (p.20) Still Life: Cube — Pen Shading (p.21) Still Life: Cube — Pencil Shading (p.22)	Observational still life, pen shading, pencil gradation, form and light	Still life sketchbook entries; shaded cube study	Draw a still life of 2 objects at home in pencil
JULY 2026	~5 periods ★ PT1	Pen Work (Part 1)	Pen Work: Sunset (p.24) Pen Work: Optical Illusion (p.26) Pen and Ink: Old Stone Arch (p.28) Pen Work: Floral Mandala Fusion (p.30) ★ Periodic Test 1	Pen hatching, optical illusions, architectural ink, mandala design	★ PERIODIC TEST 1 (Art & Craft Term I work — portfolio review) July 2026	Complete mandala design; practice cross-hatching
AUGUST 2026	~4 periods	Pen Work (Part 2) + Shading (Part 1)	Pen Work: Vintage Car (p.32) Pen Scribbling: Cartoon Character (p.34) Pen Doodling: Fantasy Creature (p.35) Pen Work: Bird Zentangle (p.36) Pencil Shading: Monstera Leaves (p.38) Pencil Detailing: Fuchsia Flowers (p.39)	Pen techniques: scribbling, doodling, zentangle; botanical pencil shading	Zentangle bird artwork; botanical shading study	Create a zentangle doodle of any animal
SEPTEMBER 2026	~4 periods ★ Half-Yearly	Shading (Part 2) + Portfolio Review	Gradation Technique: Elephant (p.40) Pencil Shading: Twisted Trunk (p.42) Portfolio review and presentation ★ Half-Yearly Assessment	Animal gradation, bark texture, Term I portfolio compilation and presentation	★ HALF-YEARLY Portfolio presentation (All Term I work) September 2026	Organise and label all artworks in portfolio
OCTOBER 2026	~4 periods	Watercolour and Paintwork (Part 1)	Wet-on-wet Watercolour: Bee (p.45) Wet-on-wet Watercolour: Butterfly (p.46) Watercolour Blending: Scooter (p.47)	Wet-on-wet technique, colour blending, controlled washes	Watercolour bee and butterfly; blending study	Practice wet-on-wet on a small sheet — any subject
NOVEMBER 2026	~5 periods	Watercolour & Paintwork (Part 2) + Portraits	Poster Colour: Landscape in Silhouette Sunset (p.48) Acrylic Paint Work: Reflection Landscape (p.49) Wet-on-wet: Hanging Leaves (p.50) Grid Drawing: Actor Portrait (p.52) Grid Drawing: Kalam Portrait (p.53)	Poster colour, acrylic painting, negative space; grid portrait method	Silhouette sunset poster; Kalam portrait	Research: Dr. Kalam's life — bring a reference image
DECEMBER 2026	~4 periods ★ PT2	Portraits + Craft	Detailed Line Art: Indian Woman (p.54) Warli Folk Art Hanging (p.56) Literary Landscapes — Mixed Media Collage (p.57) Earthen Pot Cone Craft (p.59) ★ Periodic Test 2	Fine line portrait, folk art, mixed media collage, 3D craft	★ PERIODIC TEST 2 (Term II work — portfolio review) December 2026	Research Warli folk art; collect craft materials
JANUARY 2027	~4 periods	Calligraphy + Photography (Part 1)	Hand-lettering: 3D Brush Script (p.62) Brush Script Practice: Variable Lettering Flow (p.64) Framing and Composition (p.67) Photo Stories (p.74)	Brush lettering, 3D effect, photography composition, visual storytelling	Brush script artwork; photo story (5 images)	Practise brush lettering of your name with 3D effect

Month	Periods	Section	Activities Covered (with Page Nos.)	Skills & Focus	Assessment / Evaluation	Homework / Extension
FEBRUARY 2027	~4 periods	Photography (Part 2) + Art Project	Photography and Mindfulness (p.78) Digital Etiquette and Safety (p.82) Creative Photography (p.87) Editing Basics in Mobile Phone (p.94) Art Project: Our School, Our Story (p.100) — Launch	Mindful photography, digital safety, creative angles, editing, school documentary	Creative photography portfolio; edited photo set	Begin collecting photos for 'Our School, Our Story'
MARCH 2027	~3 periods ★ Annual	Art Project + Annual Portfolio Presentation	Art Project: Our School, Our Story — Final (p.100) Annual Portfolio Presentation ★ Annual Assessment	Collaborative school documentary; full year portfolio review and display	★ ANNUAL ASSESSMENT Full Year Portfolio + Art Project Presentation March 2027	—

D. Materials & Supplies — Annual List

Section	Required Materials	Section	Required Materials
Art & Evolution / Observation	HB, 2B, 4B pencils; eraser; ruler; A4 sketchbook; old magazines/newspapers (collage); glue; scissors	Watercolour & Paintwork	Watercolour paints; watercolour paper; brushes (round, flat); palette; poster colours; acrylic paints; water jar
Still Life Art	HB–6B pencils; blending stumps; eraser; A3 drawing paper; reference objects (bag, shoes, cube)	Portraits	HB, 2B pencils; grid paper; fine liner pens; A3 paper; reference portrait images
Pen Work & Shading	Black fineliner pens (0.1, 0.3, 0.5mm); ink pen; ruler; compass; A3 and A4 paper; pencils for underdrawing	Craft	Craft paper; paint; clay or paper clay; Warli reference; mixed media materials; glue; scissors
Calligraphy	Brush pens (variable nib); ink; calligraphy practice sheets; A4 paper; ruler	Photography	Mobile phone with camera; photo editing app (Snapseed/Google Photos); notebook for compositions

E. Pedagogy & NEP 2020 / NCF 2023 Integration

Approach	Implementation in Art & Craft
Experiential Learning	Every session is hands-on; students work with real materials, observe real objects, and produce original artworks through guided practice.
Cultural & Heritage Integration	Warli folk art, Indian woman portrait, Kalam tribute portrait, and calligraphy connect students to India's rich artistic traditions.
Digital Literacy (NEP 2020)	Photography section covers digital composition, mobile editing, digital etiquette, and the culminating 'Our School, Our Story' documentary project.
Mindfulness & Well-being	Photography and Mindfulness (p.78) and zentangle/mandala activities promote focus, stress relief, and emotional expression through art.
STEAM Integration	Perspective and proportion connect to Maths; mixed media collage to Science/EVS; photography to Social Science and digital technology.
Formative Assessment	Each artwork assessed against four criteria: composition, technique, creativity, and effort. Portfolio-based assessment replaces single exam.
Collaborative Learning	Art Project: Our School, Our Story (p.100) is a collaborative, cross-class documentary photography project.
Art Appreciation	Art history timeline, evolution of art, and portrait studies (Kalam) build visual literacy and appreciation of Indian and world art.

Mathematics

Grade 8 | Academic Session 2026–27

CBSE · NCF 2023 · NEP 2020 | New Milestone Maths Grade 8 Parts A & B (S. Chand School)

A. Chapters at a Glance — All 14 Chapters

Ch.	Chapter Title	Part	Page	Key Concepts	Domain	Term	Activity
1	A Square and A Cube	Part A	p.7	• Squares and square roots • Cubes and cube roots • Perfect squares and perfect cubes	Number & Algebra	Term I	Find squares/cubes of numbers using patterns; Pythagorean triplet chart
2	Power Play	Part A	p.43	• Laws of exponents • Powers with negative and zero exponents • Standard form / scientific notation	Number & Algebra	Term I	Express planetary distances / atomic sizes in standard form
3	A Story of Numbers	Part A	p.65	• Rational numbers: properties and operations • Representation on number line • Addition, subtraction, multiplication, division of rational numbers	Number & Algebra	Term I	Number line activity: plot and order rational numbers
4	Quadrilaterals	Part A	p.87	• Types of quadrilaterals: properties • Angle sum property of quadrilaterals • Parallelogram, rectangle, rhombus, square, trapezium, kite	Geometry	Term I	Construct quadrilaterals using ruler and compass; properties verification
5	Number Play	Part A	p.115	• Divisibility rules • LCM and HCF — advanced applications • Playing with numbers: general form	Number & Algebra	Term I	Number puzzles; magic squares; coding digits problems
6	We Distribute, Yet Things Multiply	Part A	p.137	• Algebraic expressions: terms, factors, coefficients • Addition and subtraction of algebraic expressions • Multiplication of algebraic expressions	Algebra	Term I	Verify algebraic identities using area models / tiles
7	Proportional Reasoning - 1	Part A	p.161	• Ratio and proportion • Direct and inverse proportion • Unitary method	Number / Finance	Term I	Real-life problems: recipes, maps, speed-distance; data collection
8	Fractions in Disguise	Part B	p.7	• Rational numbers as fractions •	Number	Term II	Fraction wall; recipe scaling

Ch.	Chapter Title	Part	Page	Key Concepts	Domain	Term	Activity
				Operations on fractions (advanced) • Converting between forms			activity using fractions
9	The Baudhāyana-Pythagoras Theorem	Part B	p.46	• Pythagoras theorem: statement and proof • Baudhāyana's contribution (Indian heritage) • Converse of Pythagoras theorem	Geometry	Term II	Paper-folding proof of Pythagoras; real-life measurement activity
10	Proportional Reasoning - 2	Part B	p.65	• Percentage: advanced applications • Profit and loss: discount, mark-up • Simple and compound interest	Number / Finance	Term II	Calculate GST on real bills; compare SI and CI using spreadsheet
11	Exploring Some Geometric Themes	Part B	p.97	• Congruence and similarity of figures • Symmetry: line and rotational • Tessellations and tiling patterns	Geometry	Term II	Create tessellation art; verify Euler's formula with 3D models
12	Tales by Dots and Lines	Part B	p.124	• Introduction to graphs • Coordinate geometry: plotting points • Linear graphs and their equations	Graphs / Coord.	Term II	Plot real-life data on graph; interpret speed-time graphs
13	Algebra Play	Part B	p.152	• Linear equations in one variable • Solving equations with variables on both sides • Word problems using linear equations	Algebra	Term II	Model real-life situations as equations; factorisation puzzles
14	Area	Part B	p.186	• Area of triangles and quadrilaterals • Area of circles and semicircles • Area of composite figures	Mensuration	Term II	Measure and calculate area of school classroom/garden; surface area models

B. Assessment Calendar 2026–27

Assessment	Schedule	Syllabus / Components	Marks	Remarks
Periodic Test 1 (PT1)	July 2026	Part A: Ch. 1–4 + BTT 1	20 Marks	20 marks / 40 min
Half-Yearly Examination	September 2026	Part A: Ch. 1–7 + BTT 1 (cumulative)	80 Marks	20 marks / 40 min
Periodic Test 2 (PT2)	December 2026	Part B: Ch. 8–11 + BTT 2	20 Marks	20 marks / 40 min
Annual Examination	March 2027	Full Year: Ch. 1–14 + All BTT	80 Marks	Paper: 4 sections 80 marks
Maths Lab / Activity	Ongoing	Constructions, models, graphs, BTT projects	5 Marks	20 marks / 40 min

Assessment	Schedule	Syllabus / Components	Marks	Remarks
Subject Enrichment	Each Term	BTT 1–4 projects, investigations, puzzles	5 Marks	20 marks / 40 min

Paper Pattern (Annual / Half-Yearly — 80 Marks): Section A — MCQ & Objective (20M) | Section B — Short Answer (20M) | Section C — Long Answer (20M) | Section D — Problem Solving / Hots (20M)

C. Month-by-Month Subject Annual Timetable (SAT)

★ indicates an assessment month. Landscape format for easy classroom display.

Month	Days	Chapter No.	Chapter Title	Key Topics Covered	Activity / Skills	Assessment / Evaluation	Homework / Extension
APRIL 2026	~22 days	Part A Ch. 1	A Square and A Cube	• Squares & square roots (prime factorisation, long division) • Cubes & cube roots • Perfect squares & cubes • Pythagorean triplets	Patterns with squares/cubes; Pythagorean triplet chart	Classwork, oral Q&A, worksheet	Practice square roots by long division; list 10 Pythagorean triplets
MAY 2026	~20 days	Part A Ch. 2 & 3	Power Play + A Story of Numbers	• Laws of exponents; zero & negative exponents • Scientific notation; large/small numbers • Rational numbers: properties & operations • Number line representation	Standard form using planetary data; number line plotting activity	Quiz on exponents; formative test on rational numbers	Express real-world measurements in scientific notation; rational number worksheet
JUNE 2026	~18 days	Part A Ch. 4	Quadrilaterals	• Types & properties of quadrilaterals • Angle sum property • Parallelogram, rectangle, rhombus, square, trapezium, kite • Construction of quadrilaterals	Construct quadrilaterals (ruler & compass); verify properties by measurement	Construction assignment; Q&A on properties	Draw and label all types of quadrilaterals; verify angle sum
JULY 2026	~23 days ★ PT1	Part A Ch. 5 + BTT1	Number Play + Beyond the Text 1	• Divisibility rules; LCM & HCF applications • General form of numbers; digit puzzles • BTT 1 STEAM project (Ch. 1-4)	Number puzzles; magic squares; BTT 1 group project presentation	★ PERIODIC TEST 1 (Ch. 1-4 + BTT 1) PT1: July 2026	Complete BTT 1 project; number puzzle worksheet
AUGUST 2026	~22 days	Part A Ch. 6 & 7	We Distribute, Yet Things Multiply + Proportional Reasoning 1	• Algebraic expressions: terms, factors, coefficients • Multiplication of expressions; identities: $(a±b)^2$, $(a+b)(a-b)$ • Ratio & proportion; direct & inverse proportion • Speed, time, distance; work & time	Identity verification using area models; real-life proportion problems	Algebra identity worksheet; proportion problem set	Verify $(a+b)^2$ with numerical values; 10 proportion word problems
SEPTEMBER 2026	~20 days ★ Half-Yearly	Revision Ch. 1-7 + BTT 1-2	Revision: Part A Full + Half-Yearly Examination	• Full revision: Squares/Cubes, Powers, Rational Numbers, Quadrilaterals, Number Play, Algebra, Proportion • BTT 2 project submission • Past paper practice	Revision worksheets; timed problem sets; peer teaching	★ HALF-YEARLY EXAMINATION (Part A: Ch. 1-7 + BTT 1) HY: September 2026	Revise all formulae; solve HY sample paper; submit BTT 2
OCTOBER 2026	~21 days	Part B Ch. 8 & 9	Fractions in Disguise + Baudhāyana-Pythagoras Theorem	• Advanced fraction operations; converting forms • Pythagoras theorem: statement, proof, converse • Baudhāyana's contribution (Indian heritage) • Applications: unknown sides, real-life problems	Fraction wall activity; paper-folding proof of Pythagoras; measurement activity	Fraction worksheet; Pythagoras application test	Find Pythagorean triplets using formulae; real-life Pythagoras problems
NOVEMBER 2026	~22 days	Part B Ch. 10 & 11	Proportional Reasoning 2 + Exploring Geometric Themes	• Percentage, profit & loss, discount, mark-up • Simple & compound interest; GST; EMI • Congruence & similarity; symmetry • Tessellations; Euler's formula; 3D shapes	Calculate GST on real bills; tessellation art; Euler's formula verification with 3D models	Financial maths quiz; geometry concept test; BTT 3 launch	Calculate SI vs CI on ₹10,000 at 10% for 3 years; draw 2 tessellations
DECEMBER 2026	~20 days ★ PT2	Part B Ch. 12 + BTT3	Tales by Dots and Lines + Beyond the Text 3	• Coordinate geometry; plotting points • Linear graphs; distance between two points • Real-life graphs: speed-time, distance-time • BTT 3 STEAM project	Plot real data on graph; interpret speed-time graphs; BTT 3 project	★ PERIODIC TEST 2 (Ch. 8-11 + BTT 2) PT2: December 2026 BTT 3 submission	Plot 10 coordinate points; read and interpret a given distance-time graph

Month	Days	Chapter No.	Chapter Title	Key Topics Covered	Activity / Skills	Assessment / Evaluation	Homework / Extension
				(Ch. 8–11)			
JANUARY 2027	~23 days	Part B Ch. 13 & 14	Algebra Play + Area	<ul style="list-style-type: none"> Linear equations: one variable & two variables Word problems using equations; factorisation Area: triangles, quadrilaterals, circles, composite figures Surface area & volume: cube, cuboid, cylinder 	Equation modelling; factorisation puzzles; measure & calculate classroom area; surface area models	Equation word problem test; mensuration worksheet	5 word problems as equations; calculate surface area of a carton at home
FEBRUARY 2027	~20 days	Revision All Chapters	Intensive Revision + BTT 4 + Mock Test	<ul style="list-style-type: none"> Full revision: Part A & Part B (Ch. 1–14) BTT 4 project (Ch. 12–14): room layout & flooring cost Mock annual exam under timed conditions 	Timed problem solving; formula revision chart; BTT 4 mini-project	Mock Annual Exam (full syllabus) BTT 4 project submission	Revise all formulae; complete BTT 4 project; solve sample paper
MARCH 2027	~8 days ★ Annual	All Ch. 1–14	Annual Examination	Full Year Syllabus: <ul style="list-style-type: none"> Part A: Ch. 1–7 (Squares, Powers, Rational Nos., Quadrilaterals, Number Play, Algebra, Proportion) Part B: Ch. 8–14 (Fractions, Pythagoras, %, Geometry, Graphs, Algebra, Area) 	Final formula revision; exam strategy; past paper practice	★ ANNUAL EXAMINATION (Full Year: Ch. 1–14 + All BTT) Annual: March 2027	—

D. Beyond the Text (BTT) — Project Details

Project	Theme	Page	Linked Chapters	Task Description	Skills	Part	Submission
BTT 1	STEAM: Squares, Powers & Geometry	p.113	Ch. 1–4 (Part A)	Real-life investigation linking squares/cubes, scientific notation, rational numbers, and quadrilaterals; group design activity	Research, STEAM, geometry, group collaboration	Part A	Term I — July 2026 (PT1 component)
BTT 2	Algebra & Proportion in Context	p.179	Ch. 5–7 (Part A)	Field investigation using number theory, algebraic identities, and proportional reasoning; apply to architecture or art	Field work, algebra, proportion, presentation	Part A	Term I — Sept 2026 (HY component)
BTT 3	Pythagoras + Finance + Geometry	p.122	Ch. 8–11 (Part B)	Design a floor plan using Pythagoras theorem; calculate financial costs; create geometric tessellation art	STEAM, financial maths, geometric design	Part B	Term II — Dec 2026 (PT2 component)
BTT 4	Graphs, Algebra & Mensuration	p.215	Ch. 12–14 (Part B)	Mini-project: design a room layout, calculate area, surface area, volume; model cost using algebraic expressions; plot graphs of data	Mensuration, algebra, data representation, real-world application	Part B	Term II — Feb 2027 (Annual component)

E. Key Formulae — Annual Reference

Chapter	Key Formulae	Chapter	Key Formulae
Ch. 1: Squares & Cubes	$\sqrt{a \times b} = \sqrt{a} \times \sqrt{b}$; $\sqrt[3]{a \times b} = \sqrt[3]{a} \times \sqrt[3]{b}$; $a^2 + b^2 = c^2$ (Pythagoras triplet)	Ch. 8: Fractions	$a/b \div c/d = a/b \times d/c$; LCD for addition/subtraction
Ch. 2: Power Play	$a^m \times a^n = a^{m+n}$; $a^m \div a^n = a^{m-n}$; $(a^m)^n = a^{mn}$; $a^0 = 1$; $a^{-n} = 1/a^n$	Ch. 9: Pythagoras	$c^2 = a^2 + b^2$; Hypotenuse = $\sqrt{(\text{base}^2 + \text{height}^2)}$
Ch. 6: Algebra	$(a+b)^2 = a^2 + 2ab + b^2$; $(a-b)^2 = a^2 - 2ab + b^2$; $(a+b)(a-b) = a^2 - b^2$	Ch. 10: Finance	SI = $\text{PRT}/100$; CI = $P(1+R/100)^n - P$; Discount = MP - SP
Ch. 7: Proportion	Direct: $y = kx$; Inverse: $xy = k$; Speed = Distance/Time	Ch. 14: Area & Volume	Circle: πr^2 ; SA Cuboid: $2(lb+bh+hl)$; Vol Cylinder: $\pi r^2 h$

Science | Grade 8 | Academic Session 2026–27

CBSE · Aligned with NCF 2023 & NEP 2020

Textbook: New Mylestone Science Grade 8 Parts A & B | Publisher: S. Chand School

1. Course Overview

The Grade 8 Science syllabus is built around 13 chapters spanning Physical Science, Life Science, and Earth & Environmental Science, distributed across two parts of the New Mylestone Science coursebook. Each cluster of chapters concludes with a 'Beyond the Text' cross-curricular project, embedding the STEAM and AI literacy strands prescribed by NEP 2020.

- Part A (Chapters 1–6): Life processes, electricity, forces, and atmospheric science — covered in Term I.
- Part B (Chapters 7–13): Matter and its nature, light, earth-sky relationships, ecosystems, and environmental science — covered in Term II.
- Four 'Beyond the Text' project modules (one after every cluster) integrate STEAM, research, and creativity.
- AI Module embedded in the Practice Book for digital literacy and data-driven science.

2. Term-wise Distribution at a Glance

Term	Chapters Covered	Key Activities	Assessment
Term I (Apr–Sep 2026)	Ch. 1–6 (Part A) + Beyond the Text 1 & 2	Microscope lab, electricity circuit board, friction experiments, cyclone safety poster, STEAM Project 1	PT1 (July) Half-Yearly (Sep)
Term II (Oct 2026–Mar 2027)	Ch. 7–13 (Part B) + Beyond the Text 3 & 4	Matter state-change experiments, separation techniques lab, light/optics ray diagrams, ecosystem field activity, AI Module, STEAM Project 2	PT2 (Dec) Annual (Mar)

3. Term I — Part A: Chapters 1–6 (April – September 2026)

Textbook: New Mylestone Science Coursebook Grade 8 Part A

Ch.	Chapter Title	Key Topics	Skills / Competencies	Pg.
1	Exploring the Investigative World of Science	<ul style="list-style-type: none"> Scientific method and inquiry Observation, hypothesis, experiment Variables and controls Recording and analysing data History of science and scientists 	Scientific inquiry, critical thinking, data analysis	7
2	The Invisible Living World: Beyond Our Naked Eye	<ul style="list-style-type: none"> Microorganisms — bacteria, fungi, protozoa, viruses, algae Beneficial and harmful microorganisms Diseases caused by microbes Antibiotics and vaccines Food preservation and fermentation 	Classification, observation (microscope), research	17
3	Health: The Ultimate Treasure	<ul style="list-style-type: none"> Dimensions of health (physical, mental, social) Communicable and non-communicable diseases Immune system and immunity Personal hygiene and sanitation Balanced diet and nutrition 	Health literacy, application, awareness	38
	Beyond the Text 1	<ul style="list-style-type: none"> Cross-curricular extension activity related to Chapters 1–3 	Research, creativity, presentation	60
4	Electricity: Magnetic and Heating Effects	<ul style="list-style-type: none"> Heating effect of electric current Magnetic effect of current Electromagnets and their uses Electric fuse and circuit breaker Practical applications and safety 	Experimentation, problem-solving, safety awareness	62
5	Exploring Forces	<ul style="list-style-type: none"> Types of forces: contact and non-contact Gravitational force and weight Friction — types and factors Advantages and disadvantages of friction Pressure: thrust and area 	Measurement, investigation, reasoning	79
6	Pressure, Winds, Storms, and Cyclones	<ul style="list-style-type: none"> Atmospheric pressure and its effects Air pressure and wind formation Monsoons and wind patterns Storms, thunderstorms, and cyclones Safety measures during cyclones 	Observation, map reading, environmental awareness	99
	Beyond the Text 2	<ul style="list-style-type: none"> Cross-curricular extension activity related to Chapters 4–6 	STEAM integration, group project	118

Term I Practical & Activity Schedule

- Ch. 1: Identify variables — design a simple controlled experiment on seed germination or water absorption.
- Ch. 2: Observe yeast under microscope; bread-making / curd-making activity to study microorganism roles.
- Ch. 3: Personal health audit; create a balanced diet chart for a week; communicable disease poster.
- Ch. 4: Build a simple electromagnet; demonstrate heating effect using resistance wire; electric fuse demo.
- Ch. 5: Measure friction on different surfaces; calculate pressure using different shoe soles (thrust/area).
- Ch. 6: Map wind patterns using cotton thread; collect weather data and correlate with atmospheric pressure.
- Beyond the Text 1 & 2: STEAM project (group) — design a wind-powered model or weather monitoring system.

4. Term II — Part B: Chapters 7–13 (October 2026 – March 2027)

Textbook: New Milestone Science Coursebook Grade 8 Part B

Ch.	Chapter Title	Key Topics	Skills / Competencies	Pg.
7	Particulate Nature of Matter	• States of matter and properties • Kinetic theory of matter • Diffusion and its applications • Effect of temperature on states of matter • Changes of state: melting, boiling, condensation, sublimation	Experimentation, modelling, inference	7
8	Nature of Matter: Elements, Compounds, and Mixtures	• Pure substances: elements and compounds • Mixtures: homogeneous and heterogeneous • Separation techniques (filtration, evaporation, distillation, chromatography) • Metals and non-metals • Chemical symbols and formulae	Classification, lab skills, analytical thinking	27
9	The Amazing World of Solutes, Solvents, and Solutions	• Solutions, solutes, and solvents • Solubility and factors affecting it • Concentration of solutions • Saturated and unsaturated solutions • Colloids and suspensions	Lab investigation, data recording, analysis	48
	Beyond the Text 3	• Cross-curricular extension activity related to Chapters 7–9	STEAM / project-based learning	69
10	Light: Mirrors and Lenses	• Rectilinear propagation of light • Reflection — laws and types of mirrors • Refraction and laws of refraction • Lenses: convex and concave • Applications: eye, camera, periscope, telescope	Ray diagrams, optical experiments, application	71
11	Keeping Time with the Skies	• Solar and lunar calendars • Earth's rotation and revolution • Seasons and their cause • Time zones and the international date line • Tides and their causes	Model-making, research, spatial reasoning	90
12	How Nature Works in Harmony	• Ecosystems and their components • Food chains and food webs • Nutrient cycles: carbon, nitrogen, water cycle • Biodiversity and conservation • Human impact on ecosystems	Systems thinking, field observation, awareness	108
13	Our Home: Earth, a Unique Life Sustaining Planet	• Earth's structure and layers • Natural resources — renewable and non-renewable • Environmental pollution and its effects • Climate change and global warming • Sustainable development and conservation measures	Research, critical thinking, environmental action	126
	Beyond the Text 4	• Cross-curricular extension activity related to Chapters 10–13	Presentation, research, STEAM project	145

Term II Practical & Activity Schedule

- Ch. 7: Demonstrate diffusion using potassium permanganate; observe sublimation of camphor/naphthalene.
- Ch. 8: Separation techniques lab: filtration, evaporation, paper chromatography using leaf pigments.
- Ch. 9: Prepare saturated solutions at different temperatures; plot solubility curve (temperature vs solubility).
- Ch. 10: Ray diagram exercises for plane mirror, convex/concave mirrors and lenses; pinhole camera construction.

- Ch. 11: Globe and torch model to demonstrate seasons, time zones, and eclipses; calendar comparison activity.
- Ch. 12: Draw a local food web; conduct a mini-biodiversity survey in the school garden.
- Ch. 13: Calculate individual carbon footprint; create an action plan for sustainable practices at school.
- Beyond the Text 3 & 4: STEAM + AI Module project — data collection using apps, environmental monitoring report.

5. Complete Chapter Overview — All 13 Chapters

Ch.	Title	Part	Page	Term	Domain
1	Exploring the Investigative World of Science	Part A	7	Term I	Life Science
2	The Invisible Living World: Beyond Our Naked Eye	Part A	17	Term I	Life Science
3	Health: The Ultimate Treasure	Part A	38	Term I	Life Science
4	Electricity: Magnetic and Heating Effects	Part A	62	Term I	Physical / Earth Sc.
5	Exploring Forces	Part A	79	Term I	Physical / Earth Sc.
6	Pressure, Winds, Storms, and Cyclones	Part A	99	Term I	Physical / Earth Sc.
7	Particulate Nature of Matter	Part B	7	Term II	Physical Science
8	Nature of Matter: Elements, Compounds, and Mixtures	Part B	27	Term II	Physical Science
9	The Amazing World of Solutes, Solvents, and Solutions	Part B	48	Term II	Physical Science
10	Light: Mirrors and Lenses	Part B	71	Term II	Earth Science
11	Keeping Time with the Skies	Part B	90	Term II	Earth Science
12	How Nature Works in Harmony	Part B	108	Term II	Environmental Sc.
13	Our Home: Earth, a Unique Life Sustaining Planet	Part B	126	Term II	Environmental Sc.

6. Assessment Structure (CBSE / NEP 2020)

Assessment	Schedule	Syllabus / Components	Marks
Periodic Test 1	July 2026	Part A: Ch. 1–3 + Beyond the Text 1	20 Marks
Half-Yearly Examination	September 2026	Part A: Ch. 1–6 + Beyond the Text 1 & 2 (cumulative)	80 Marks
Periodic Test 2	December 2026	Part B: Ch. 7–9 + Beyond the Text 3	20 Marks
Annual Examination	March 2027	Full Year — Part A (Ch. 1–6) + Part B (Ch. 7–13)	80 Marks
Practical / Lab Work	Ongoing	Lab observations, experiments, activity records	5 Marks

Assessment	Schedule	Syllabus / Components	Marks
Subject Enrichment (Project)	Each Term	Beyond the Text activities, STEAM projects, models	5 Marks

Paper Pattern (Annual/Half-Yearly): Section A — MCQ & VSA (20M) | Section B — Short Answer (20M) | Section C — Long Answer (20M) | Section D — Diagram / Practical-based (20M)

Internal Assessment (20 Marks): Periodic Tests (10M) + Practical/Lab Work (5M) + Subject Enrichment/Project (5M)

7. Pedagogy & NEP 2020 / NCF 2023 Integration

Approach	Implementation
Inquiry-Based Learning	Students design mini-investigations for every chapter. Beyond the Text activities require research questions, hypothesis, and conclusions.
Experimental / Hands-On	Mandatory lab session every fortnight; observations recorded in lab notebooks. Models built for optics, matter, and earth-structure topics.
STEAM Integration	Beyond the Text 1–4 are cross-curricular projects linking Science, Technology, Engineering, Arts, and Mathematics.
AI Module	Dedicated AI literacy module embedded in Part B practice book; students explore ethical AI use and data-driven science.
Collaborative Learning	Group investigations, peer presentations, and ecosystem field surveys; team roles rotated each project.
Technology Integration	Smart-board simulations for optics, circuits, and earth science; digital data collection using apps.
Art Integration	Illustrated concept maps, infographic posters (cyclones, food webs), and 3-D models of the Earth's layers.
Formative Assessment	Exit tickets after each chapter, oral questioning, lab observation checklist, peer review of project drafts.

8. Expected Learning Outcomes by Year End

Scientific Skills

- Design and conduct simple controlled experiments; record and interpret data accurately.
- Apply the scientific method to everyday observations and problems.
- Construct and interpret ray diagrams, food webs, and state-change graphs.

Conceptual Understanding

- Explain the structure and behaviour of matter at the particulate level.
- Describe the role of microorganisms in health, disease, food, and the environment.
- Connect atmospheric forces (pressure, wind) to weather phenomena and climate.
- Explain how light interacts with mirrors and lenses and apply this to optical instruments.
- Analyse the interdependence of living organisms and their environment.

Values & Attitudes

- Appreciate the role of science in improving quality of life and solving environmental challenges.
- Develop a sense of responsibility towards personal health and environmental sustainability.
- Show curiosity, open-mindedness, and perseverance in scientific inquiry.

Social Science | Grade 8 | Academic Session 2026–27

CBSE · NCF 2023 · NEP 2020 | New Milestone SST Grade 8 (S. Chand School)

A. Subject Overview — Units at a Glance

Unit	Unit Title	Chapters Covered	Discipline	Term / Month	Page Reference
Unit 1	India and the World	Ch. 1: Natural Resources + BTT 1	Geography	Term I (Apr–May)	Ch. 1: p.7 BTT 1: p.24
Unit 2	Glancing Through the Past	Ch. 2–6 (Medieval India to Colonial Revolt) + BTT 2	History	Term I & II (Jun–Oct)	Ch. 2: p.26 Ch. 3: p.44 Ch. 4: p.62 Ch. 5: p.79 Ch. 6: p.93 BTT 2: p.110
Unit 3	Governance and Democracy	Ch. 7–8 (Elections & Parliament)	Civics	Term II (Nov)	Ch. 7: p.112 Ch. 8: p.127
Unit 4	Economic Life Around Us	Ch. 9: Production of Goods & Services + BTT 3	Economics	Term II (Dec)	Ch. 9: p.144 BTT 3: p.158

B. Assessment Calendar 2026–27

Assessment	Scheduled	Syllabus / Components	Marks	PTM / Remarks
Periodic Test 1 (PT1)	July 2026	Ch. 1–3 + BTT 1	20 Marks	Refer exam schedule
PTM 1	August 2026 (Sat)	Parent-Teacher Meeting	—	09:00 am – 12:30 pm
Half-Yearly Examination	September 2026	Units 1–2: Ch. 1–5 + BTT 1	80 Marks	Refer exam schedule
PTM 2	October 2026 (Sat)	Parent-Teacher Meeting	—	09:00 am – 12:30 pm
Periodic Test 2 (PT2)	December 2026	Ch. 6–8 + BTT 2	20 Marks	Refer exam schedule
PTM 3	December 2026 (Sat)	Parent-Teacher Meeting	—	09:00 am – 12:30 pm
Annual Examination	March 2027	Full Year: Ch. 1–9 + All BTT	80 Marks	Refer exam schedule
Open Day / Report	March 2027 (Sun)	Report card distribution	—	09:00 am – 12:30 pm

C. Month-by-Month Subject Annual Timetable (SAT)

Each row represents one calendar month. Stars (★) indicate assessment months.

Month	Working Days	Unit / Chapter	Chapter Title	Key Topics Covered	Skills & Activity	Assessment / Evaluation	Homework / Extension
APRIL 2026	~22 days	Unit 1 Ch. 1	Natural Resources	• Types of resources: renewable & non-renewable • Land resources & soil types • Water resources: distribution & scarcity	Map work: types of natural resources across India	Classwork, Q&A, map activity	Collect data on water scarcity in your district
MAY 2026	~20 days	Unit 1 Ch. 1 (contd.)	Natural Resources (contd.) + Beyond the Text 1	• Forest resources & deforestation • Mineral & energy resources • Conservation strategies • Beyond the Text 1 project launch	Group project: sustainable village model; poster on conservation	Beyond the Text 1 project work; formative quiz	Complete BTT 1 project; research renewable energy in India
JUNE 2026	~18 days (Summer / Revision)	Unit 2 Ch. 2	Rulers of India: 13th to 16th Century	• Delhi Sultanate: Slave, Khalji, Tughlaq, Sayyid, Lodi dynasties • Administration & revenue system • Vijayanagara Empire • Bhakti & Sufi movements	Timeline of Delhi Sultans; outline map work	Oral Q&A; timeline assignment	Illustrated timeline of Delhi Sultans
JULY 2026	~23 days ★ PT1	Unit 2 Ch. 3 & 4	Rulers of India: 16th–18th C. + Marathas	• Mughal Empire: Babur to Aurangzeb • Akbar's reforms: Mansabdari, Din-i-Ilahi • Mughal art, architecture, decline • Rise of Shivaji; Maratha Confederacy; Peshwas	Architectural sketch journal; map of Maratha territories; debate: Akbar's policies	★ PERIODIC TEST 1 (Ch. 1–3 + BTT 1) PT1 Date: July	Map: Mughal Empire at peak; essay: causes of Mughal decline
AUGUST 2026	~22 days	Unit 2 Ch. 5	The Era of Colonialism — From Traders to Rulers	• European trading companies in India • Rise of East India Company • Battle of Plassey & Buxar • Doctrine of Lapse; drain of wealth • Deindustrialisation	Primary source: EIC charter; drain of wealth calculation; map of EIC expansion	Source-based questions; map test	Research: impact of EIC policies on Indian weavers
SEPTEMBER 2026	~20 days ★ Half-Yearly	Unit 2 Ch. 5 (revision)	Revision: Units 1–2 (Ch. 1–5) + Half-Yearly Examination	• Full revision: Units 1 & 2 (Geography + History Ch. 1–5) • Map revision: resources, Delhi Sultanate, Mughals, Marathas, EIC • Question-answer practice; source-based Q revision	Revision worksheets; peer teaching; map identification quiz	★ HALF-YEARLY EXAMINATION (Units 1–2: Ch. 1–5 + BTT 1) HY Date: September	Revise all maps; practise MCQ and source-based questions
OCTOBER 2026	~21 days (Post HY)	Unit 2 Ch. 6	The Era of Colonialism — Exploitation and Public Revolt	• Revenue systems: Permanent Settlement, Ryotwari, Mahalwari • Impact on Indian industries • The Revolt of 1857: causes, centres, leaders • Outcome & changes in British policy • Beyond the Text 2 project	Map: 1857 revolt centres; role-play (sepy/peasant voices); infographic on drain of wealth	BTT 2 project; map test (1857 revolt centres)	BTT 2 infographic: colonial economic impact
NOVEMBER 2026	~22 days	Unit 3 Ch. 7 & 8	Electoral Process + Parliamentary	• Democratic elections: features & importance • Election Commission:	Mock Election (class); Model Parliament session; analyse a bill	Mock election report; oral Q&A on Parliament	Research: role of ECI in recent Indian

Month	Working Days	Unit / Chapter	Chapter Title	Key Topics Covered	Skills & Activity	Assessment / Evaluation	Homework / Extension
			System of India	role & functions • Electoral process, model code of conduct • Parliament: Lok Sabha & Rajya Sabha • Functions: law-making, budget, oversight • Presidential vs Parliamentary systems	becoming an Act		elections
DECEMBER 2026	~20 days ★ PT2	Unit 4 Ch. 9	Production of Goods and Services + Beyond the Text 3	• Factors of production: land, labour, capital, entrepreneur • Primary, secondary & tertiary sectors • Organised vs unorganised sector • Public vs private sector • Globalisation & impact on India • BTT 3: local market field survey	Local market survey; classify economic activities; BTT 3 field report	★ PERIODIC TEST 2 (Ch. 6–8 + BTT 2) PT2 Date: December BTT 3 project submission	BTT 3: field report on local economic activities
JANUARY 2027	~23 days	Revision All Units	Revision: Units 1–4 (Full Syllabus)	• Unit 1: Natural Resources — map revision • Unit 2: History Ch. 2–6 — timelines, sources • Unit 3: Civics Ch. 7–8 — Parliament, Elections • Unit 4: Economics Ch. 9 — sectors, globalisation	Subject-wise revision worksheets; previous year question practice; peer Q&A sessions	Unit tests / class tests; map identification (full syllabus)	Solve sample papers; revise all maps and timelines
FEBRUARY 2027	~20 days	Revision All Units	Intensive Revision + Mock Test	• MCQ practice across all units • Source-based question practice (History) • Map work: full syllabus map revision • Case study and data interpretation practice (Eco/Geo)	Mock test under exam conditions; timed answer writing; self-assessment	Mock Annual Exam (full syllabus) Timed map test	Revise weak topics; complete practice question bank
MARCH 2027	~8 days ★ Annual Exam	All Units Ch. 1–9	Annual Examination	Full Year Syllabus: • Unit 1: Geography — Natural Resources • Unit 2: History — Ch. 2–6 (Medieval to Colonial) • Unit 3: Civics — Ch. 7–8 (Elections & Parliament) • Unit 4: Economics — Ch. 9 (Production)	Final exam preparation; map revision; source-based Q practice	★ ANNUAL EXAMINATION (Full Year: Ch. 1–9 + All BTT) Annual Exam: March 2027	—

D. Beyond the Text (BTT) — Project Details

Project	Title / Theme	Page	Linked Unit & Discipline	Task Description	Skills Developed	Submission / Term
BTT 1	India & the World — Resource Management	p.24	Unit 1 · Geography	Design a model/poster of a sustainable village using renewable resources; present findings to class	Research, creativity, STEAM, group collaboration, presentation	Term I — May 2026 PT1 inclusion
BTT 2	Colonial India — Economic Impact	p.110	Unit 2 · History	Create an infographic showing economic impact of colonial rule on Indian artisans and farmers; use data from textbook	Source analysis, data interpretation, visual communication, report writing	Term II — October 2026 PT2 inclusion
BTT 3	Economic Life — Field Survey	p.158	Unit 4 · Economics	Conduct a local market survey; document primary, secondary, and tertiary activities; produce a written field report with data tables	Field work, data collection, sector classification, report writing	Term II — December 2026 Annual inclusion

E. Map Work — Annual Schedule

Month	Chapter	Discipline	Map Items to Locate / Mark	Map Type	Assessment
Apr–May	Ch. 1	Geography	Types of natural resources in India; major rivers; forest cover; mineral-rich states	Outline map of India	PT1 / HY
Jun–Jul	Ch. 2–3	History	Delhi Sultanate extent; major cities (Delhi, Agra, Lahore); Mughal Empire at peak; Fatehpur Sikri, Taj Mahal, Red Fort	Political/Historical map	HY
Jul	Ch. 4	History	Maratha territories under Shivaji & Peshwas; key forts: Raigad, Sinhagad, Pratapgad, Purandar	Historical map	HY
Aug	Ch. 5	History	Entry points of European powers (Portuguese, Dutch, French, British); Battle of Plassey (Murshidabad), Battle of Buxar	Historical map	HY
Oct	Ch. 6	History	1857 Revolt centres: Meerut, Delhi, Kanpur, Jhansi, Lucknow, Patna, Bareilly	Historical map of India	PT2 / Annual
Nov	Ch. 7–8	Civics	Outline map: Lok Sabha constituencies; state capitals; Union	Political map	Annual

Month	Chapter	Discipline	Map Items to Locate / Mark	Map Type	Assessment
			Territories		
Dec	Ch. 9	Economics	Major industrial regions; primary/secondary/tertiary activity zones across India	Economic map of India	Annual

Kaushal Bodh – Grade 8

Annual Curriculum Plan

CBSE | NCERT | NEP 2020 | NCF 2023

1. Academic Overview

Kaushal Bodh for Grade 8 focuses on experiential learning, vocational exposure, skill development, entrepreneurship, sustainability, and project-based education as recommended by CBSE, NCERT, NEP 2020 and NCF 2023.

2. Prescribed Textbooks

S.No	Book Name	Publisher
1	Kaushal Bodh – Vocational Education Activity Book Grade 8	NCERT
2	Project & Portfolio Record	School Publication
3	Vocational Activity Worksheets	Internal Use

3. Examination Schedule

Assessment	Month	Marks	Coverage
FA-1	July 2026	20	Projects 1–2
SA-1	September 2026	80	Projects 1–4
FA-2	December 2026	20	Projects 5–6
SA-2	March 2027	80	Complete Syllabus

4. Month-wise Annual Plan

Month	Topic	Skill Focus	Activities	Learning Outcome
April	Hydroponics	Sustainable Farming	Plant Growth Activity	Understand soil-less farming
June	Farm Animals	Animal Care	Observation & Feeding	Develop empathy and care
July	Wood & Bamboo Work	Craft Skills	Craft Preparation	Use tools safely
August	Home Automation	Technology Awareness	Circuit Activity	Understand smart systems
September	Water Audit	Water Conservation	Survey Project	Promote sustainability
November	Creating Advertisements	Creativity & Marketing	Poster Design	Communication skills
January	Kaushal Mela	Entrepreneurship	Event Planning	Leadership & teamwork
February	Project Work & Portfolio	Presentation Skills	Portfolio Submission	Reflective learning

5. NEP/NCF Competency Mapping

Competency	Implementation
Experiential Learning	Hands-on project work
Entrepreneurship	Kaushal Mela activities
Critical Thinking	Problem-solving projects
Communication Skills	Advertisement creation
Environmental Awareness	Hydroponics & Water Audit

6. Assessment Plan

- Activity-based assessment

- Project work and practical records
- Portfolio evaluation
- Peer and self-assessment
- Continuous comprehensive evaluation

7. Revision Schedule

Exam	Revision Period
FA-1	1 Week
SA-1	2 Weeks
FA-2	1 Week
SA-2	3 Weeks

8. Teacher Guidelines

- Encourage experiential and project-based learning.
- Promote entrepreneurship and vocational exposure.
- Integrate sustainability and environmental awareness.
- Use collaborative learning strategies.
- Focus on practical application over rote learning.

Computer Science

GRADE 8 | Academic Session 2026–27

CBSE · NCF 2023 · NEP 2020 | Computer Science Textbook Grade 8

A. Contents at a Glance — All 11 Chapters

Section 1: Digital & Cyber							
Ch	Page	Chapter Title	Key Topics	Skills	Activity	Term	Outcome
1	p.7	Computer Networking	Types of networks (LAN, WAN, MAN); network topologies; networking devices (router, switch, hub, modem); internet protocols; IP addressing; network security basics	Network diagram drawing, device identification, troubleshooting basics	Draw network topology diagrams; identify devices in a school network	Term I	Network diagram; device identification quiz
2	p.22	Spreadsheet—Advanced Features	Advanced formulas and functions (IF, VLOOKUP, HLOOKUP, COUNTIF, SUMIF); data sorting and filtering; charts and graphs; conditional formatting; data validation; pivot tables	Spreadsheet proficiency, data analysis, formula writing	Create a student marks analysis sheet with IF & charts; conditional formatting project	Term I	Marks analysis spreadsheet with charts and conditional formatting
3	p.37	Krita—Animation	Introduction to Krita; animation workspace; keyframes and timeline; creating frame-by-frame animation; onion skinning; exporting animations as GIF/video	Digital animation, creativity, frame-by-frame technique	Create a short 10-frame animation in Krita (bouncing ball / walking figure)	Term I	Animated GIF/short video project in Krita
4	p.52	Canva—Advanced Features	Advanced Canva features: brand kit, templates, infographic design; presentations; social media graphics; photo editing tools in Canva; collaboration features; publishing and sharing	Graphic design, digital communication, visual storytelling	Design an infographic on a chosen topic; create a class presentation template	Term I	Infographic + presentation designed in Canva
5	p.62	Latest IT Trends	Cloud computing; Internet of Things (IoT); Blockchain basics; Augmented Reality (AR) and Virtual Reality (VR); 5G technology; Big Data; cybersecurity trends; careers in IT	Research, critical thinking, digital awareness, presentation	Research presentation on one IT trend; group discussion on IT career paths	Term I	IT trends research presentation

Section 2: Computational Thinking & Coding

Ch	Page	Chapter Title	Key Topics	Skills	Activity	Term	Outcome
6	p.79	HTML5—Links, Frames and Forms	HTML5 hyperlinks (<a> tag); internal and external links; image links; iframes and frames; HTML forms: input types, text, radio, checkbox, dropdown, submit button; form attributes; basic form validation	Web development, HTML coding, form design	Create a multi-page website with links; design a student registration form in HTML5	Term I	Multi-page HTML website with working forms
7	p.96	MakeCode Arcade—Games	MakeCode Arcade environment; sprites and backgrounds; game mechanics: movement, collision, score; event-based programming; adding lives and levels; debugging games; exporting and sharing	Game design, event-driven programming, logical thinking, debugging	Design and build a playable arcade game using MakeCode; add scoring, lives, and levels	Term II	Fully playable MakeCode Arcade game
8	p.111	Python—Functions and Strings	Defining and calling functions in Python; parameters and arguments; return values; local vs global variables; string methods: len(), upper(), lower(), replace(), find(), split(); string slicing and indexing; string formatting	Python programming, function design, string manipulation, problem-solving	Write Python functions for calculator operations; string manipulation programs (word counter, palindrome checker)	Term II	Python programs using functions and string methods

Section 3: Artificial Intelligence

Ch	Page	Chapter Title	Key Topics	Skills	Activity	Term	Outcome
9	p.126	AI—Data Literacy	What is data literacy; types of data; data collection methods; data representation: charts, graphs, tables; interpreting data; bias in data; data privacy; responsible data use	Data analysis, critical thinking, data visualization, ethical reasoning	Collect and represent school survey data; identify bias in given datasets	Term II	Data literacy project: survey, graph, and bias analysis report
10	p.135	AI—Future and Ethics	Future of AI: trends and possibilities; AI in healthcare, education, transport; ethical issues: privacy, bias, job displacement; responsible AI development; AI policy and regulation; humans vs machines	Critical thinking, ethical reasoning, debate, research	Debate: 'AI will do more good than harm'; ethical dilemma case studies	Term II	Ethics debate; AI impact research report
11	p.144	AI—SDGs, Data Science and Open AI	UN Sustainable Development Goals (SDGs) and AI; how AI helps achieve	Global awareness, AI application, data science	Map AI tools to specific SDGs; mini data science	Term II	SDG-AI mapping poster;

		SDGs; introduction to Data Science: data pipeline; Open AI tools and platforms; using AI responsibly; simple data science project	basics, responsible technology use	project using Open AI/Google tools		simple data science demonstration
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B. Add-On Components

Component	Page	Coverage	Term	Format
Periodic Assessment 1	p.36	After Ch. 1–2 (Networking, Spreadsheet)	Term I	Written + practical
Periodic Assessment 2	p.76	After Ch. 3–5 (Krita, Canva, IT Trends)	Term I	Written + project
Test Sheet 1	p.77	Ch. 1–5 revision test	Term I	Written test
Supplement: Microsoft MakeCode for micro:bit	p.107	Extension: micro:bit programming	Term II	Practical activity
Periodic Assessment 3	p.125	After Ch. 6–7 (HTML5, MakeCode)	Term II	Written + practical
Periodic Assessment 4	p.154	After Ch. 8–9 (Python, AI Data Literacy)	Term II	Written + practical
Test Sheet 2	p.155	Ch. 6–11 revision test	Term II	Written test
Projects	p.157	Cross-chapter practical projects	Both Terms	Project submission
Digital Citizenship	p.161	Online safety, ethics, digital footprint, netiquette	Both Terms	Discussion + pledge
Olympiad	p.163	Competitive preparation: MCQ, reasoning, IT knowledge	Both Terms	Practice papers

C. Assessment Calendar 2026–27

Assessment	Schedule	Chapters / Components	Marks	Format
Periodic Assessment 1 (PA1)	May 2026	Ch. 1–2: Networking + Spreadsheet (p.36)	20 Marks	Written + Practical
Periodic Assessment 2 (PA2)	July 2026	Ch. 3–5: Krita, Canva, IT Trends (p.76)	20 Marks	Project + Written
Test Sheet 1	July 2026	Ch. 1–5 full revision test (p.77)	20 Marks	Written MCQ + Short Answer
Half-Yearly Examination	September 2026	Ch. 1–6 (Section 1 + HTML5)	80 Marks	Written (Theory + Practical)
Periodic Assessment 3 (PA3)	October 2026	Ch. 6–7: HTML5 + MakeCode (p.125)	20 Marks	Practical project
Periodic Assessment 4 (PA4)	December 2026	Ch. 8–9: Python + AI Data Literacy (p.154)	20 Marks	Written + Practical
Test Sheet 2	December 2026	Ch. 6–11 revision test (p.155)	20 Marks	Written MCQ + Short Answer
Annual Examination	March 2027	Full Year: Ch. 1–11 + Projects (p.157)	80 Marks	Written (Theory) + Practical
Projects	Both Terms	Cross-chapter practical projects (p.157)	10 Marks	Project submission + viva
Digital Citizenship	Both Terms	Online safety, ethics, netiquette (p.161)	Formative	Discussion + digital pledge

Paper Pattern (Annual / Half-Yearly — 80 Marks): Section A — MCQ & Objective (20M) | Section B — Short Answer / Theory (20M) | Section C — Practical / Coding (20M) | Section D — Project / Application (20M)

D. Month-by-Month Subject Annual Timetable (SAT)

★ = Assessment month. Approximately 2 periods per week. Landscape format for classroom/lab display.

Month	Periods	Section / Chapter	Chapter Title	Key Topics	Activity / Lab Work	Assessment	Homework
APRIL 2026	~2 periods/week	Digital & Cyber Ch. 1	Computer Networking	• Types of networks: LAN, WAN, MAN • Network topologies: star, bus, ring, mesh • Networking devices: router, switch, hub, modem • Internet protocols & IP addressing	Draw network topology diagrams; identify devices in school network; Digital Citizenship (p.161)	Classwork; oral Q&A; network diagram assignment	Label a home network diagram; list 5 networking devices with functions
MAY 2026	~2 periods/week	Digital & Cyber Ch. 2	Spreadsheet—Advanced Features	• Advanced functions: IF, VLOOKUP, HLOOKUP, COUNTIF, SUMIF • Data sorting, filtering, conditional formatting • Charts and graphs; pivot tables; data validation • Periodic Assessment 1 (p.36)	Student marks analysis spreadsheet with IF functions and charts; PA1 (after Ch.1–2)	★ Periodic Assessment 1 (Ch. 1–2) p.36	Create a budget spreadsheet using SUMIF and charts
JUNE 2026	~2 periods/week	Digital & Cyber Ch. 3 & 4	Krita—Animation + Canva—Advanced Features	• Krita: animation workspace, keyframes, onion skinning, exporting GIF • Canva: brand kit, infographic, presentations, photo editing • Collaboration and publishing in Canva	10-frame bouncing ball animation in Krita; Canva infographic on a science topic	Animation project (Krita); Canva infographic submission	Complete Krita animation; design a festival poster in Canva
JULY 2026	~2 periods/week ★ PT1	Digital & Cyber Ch. 5 + Test Sheet 1	Latest IT Trends + Periodic Assessment 2 + Test Sheet 1	• Cloud computing, IoT, Blockchain, AR/VR, 5G, Big Data • Cybersecurity trends; careers in IT • PA2 (Ch. 3–5); Test Sheet 1 (Ch. 1–5)	IT Trends research presentation; group discussion on AI careers	★ PERIODIC TEST 1 (Ch. 1–5 + PA2) p.76–77 July 2026	Research report on one IT trend; complete Test Sheet 1
AUGUST 2026	~2 periods/week	Coding Ch. 6	HTML5—Links, Frames and Forms	• HTML5 hyperlinks: <a> tag, internal/external links • iFrames and frames • HTML forms: input types, radio, checkbox, dropdown, submit • Form attributes and basic validation	Create multi-page HTML website with links; design student registration form	HTML website project; form design practical	Build a personal HTML page with links to 3 other pages
SEPTEMBER 2026	~2 periods/week ★ Half-Yearly	Ch. 6 (contd.) + Revision	HTML5 (contd.) + Half-Yearly Revision	• Complete HTML5 Forms project • Full revision: Ch. 1–6 • Practical: networking, spreadsheet, Krita, Canva, HTML	HTML project completion; full practical revision; mock test	★ HALF-YEARLY EXAM (Ch. 1–6) September 2026	Revise all practical skills; complete HTML project
OCTOBER 2026	~2 periods/week	Coding Ch. 7	MakeCode Arcade—Games	• MakeCode Arcade environment; sprites & backgrounds • Game mechanics: movement, collision, score • Event-based programming; lives and levels • Debugging; exporting game	Design and build a playable arcade game; add scoring, lives, and levels	MakeCode game project (in-progress); PA3 launch (p.125)	Extend MakeCode game: add 2 more levels
NOVEMBER 2026	~2 periods/week	Coding Ch. 7 (contd.) + Ch. 8	MakeCode Arcade (contd.) + Python—Functions and Strings	• MakeCode game completion + PA3 (p.125) • Python: defining functions, parameters, return values • Local vs global variables • String methods: len(), upper(), lower(), replace(), find(), split() • String slicing and formatting	Complete MakeCode game; Python string manipulation programs; word counter project	★ Periodic Assessment 3 (Ch. 6–7) p.125	Write Python function for a simple calculator; palindrome checker program
DECEMBER 2026	~2 periods/week ★ PT2	Coding + AI Ch. 8 (contd.) +	Python (contd.) + AI—Data Literacy + PA4	• Complete Python functions project • AI—Data Literacy: data types, collection, representation • Charts, graphs, bias in	Python program: string functions; data literacy survey project; bias analysis	★ PERIODIC TEST 2 (Ch. 7–9 + PA4) p.154–155 December 2026	Collect survey data from 10 classmates; represent as chart

Month	Periods	Section / Chapter	Chapter Title	Key Topics	Activity / Lab Work	Assessment	Homework
		Ch. 9		data; data privacy • PA4 (Ch. 8–9) p.154; Test Sheet 2 p.155			
JANUARY 2027	~2 periods/week	AI Ch. 10 & 11	AI—Future and Ethics + AI—SDGs, Data Science and Open AI	<ul style="list-style-type: none"> • Future of AI: healthcare, education, transport • Ethical issues: privacy, bias, job displacement • UN SDGs and AI; Open AI tools • Data Science pipeline; responsible AI • Projects (p.157); Digital Citizenship (p.161) 	AI ethics debate; SDG-AI mapping poster; mini data science demo with Open AI tools	Ethics debate; SDG poster; data science mini-project	Research: one AI application helping an SDG; write a 200-word reflection
FEBRUARY 2027	~2 periods/week	Revision + Projects + Olympiad	Full Revision + Projects + Olympiad Prep	<ul style="list-style-type: none"> • Full revision: Ch. 1–11 (all three sections) • Projects (p.157): cross-chapter practical • Olympiad preparation (p.163): MCQ, reasoning, IT knowledge • MakeCode micro:bit supplement (p.107) 	Complete annual project; Olympiad practice papers; peer code review	Annual project submission; mock annual exam; Olympiad mock	Solve Olympiad practice paper; revise Python functions and HTML
MARCH 2027	~1 week ★ Annual	All Chapters Ch. 1–11	Annual Examination	Full Year Syllabus: <ul style="list-style-type: none"> • Section 1: Ch. 1–5 (Digital & Cyber) • Section 2: Ch. 6–8 (Coding & HTML) • Section 3: Ch. 9–11 (AI) • Add-Ons: Projects, Digital Citizenship 	Final practical revision; formula/code quick reference review	★ ANNUAL EXAMINATION (Ch. 1–11 + Projects) March 2027	—

E. Software, Tools & Lab Requirements

Ch.	Chapter	Software / Tool	Key Commands / Concepts	Platform	Lab Activity
1	Computer Networking	Browser / Network tools	ping, traceroute, IP config, network diagram tools	Windows / Linux	Draw LAN topology; use ipconfig to find IP address
2	Spreadsheet	MS Excel / LibreOffice Calc / Google Sheets	IF(), VLOOKUP(), SUMIF(), COUNTIF(), charts, pivot	Windows / Online	Marks analysis sheet; conditional formatting project
3	Krita—Animation	Krita (free, open source)	Keyframes, timeline, onion skin, export GIF	Windows / Linux	Create 10-frame bouncing ball animation; export as GIF
4	Canva	Canva (web-based)	Brand kit, infographic, presentation, photo edit	Browser / Online	Design infographic; class presentation template
5	Latest IT Trends	Browser / Presentation tool	Research, slides, discussion	Any	IT trends presentation; AI career exploration
6	HTML5	Text editor (Notepad++ / VS Code) + Browser	<a>, <iframe>, <form>, input types, validation	Windows / Linux	Multi-page website; student registration form
7	MakeCode Arcade	makecode.com/arcade (web-based)	Sprites, events, score, lives, levels, debug	Browser / Online	Build playable arcade game; add scoring and levels
8	Python	Python 3 (IDLE / VS Code / Thonny)	def, return, len(), upper(), lower(), split(), slice	Windows / Linux	Calculator functions; word counter; palindrome checker
9	AI—Data Literacy	Google Sheets / Python / Scratch	Data collection, charts, bias analysis	Online / Windows	Survey data collection; graph; bias identification
10	AI—Ethics	Browser / Presentation tool	AI ethics frameworks, debate preparation	Any	Ethics debate; case study analysis
11	AI—SDGs / Open AI	Open AI tools / Teachable Machine / browser	SDGs, data pipeline, responsible AI	Online	SDG-AI mapping; simple ML model demonstration

F. Pedagogy & NEP 2020 / NCF 2023 Integration

Approach	Implementation in Computer Science
Experiential & Hands-on Learning	Every chapter has a dedicated lab activity. Students learn by doing — building networks, coding Python, creating animations, and designing games.
Computational Thinking	MakeCode Arcade (Ch.7) and Python (Ch.8) explicitly develop decomposition, pattern recognition, abstraction, and algorithmic thinking.

Approach	Implementation in Computer Science
AI Literacy (NEP 2020)	Three dedicated AI chapters (Ch.9–11) covering data literacy, ethics, SDGs, and Open AI — fulfilling NEP 2020's requirement for AI education in schools.
Digital Citizenship	Dedicated Digital Citizenship section (p.161) covering online safety, digital footprint, netiquette, and responsible technology use.
Project-Based Learning	Projects section (p.157) and the Olympiad (p.163) provide cross-chapter, real-world application tasks that integrate multiple subject areas.
Open-Source & Free Tools	Krita (animation) and Python are free/open-source tools, promoting equity of access and real-world industry relevance.
Formative Assessment	Four Periodic Assessments (PA1–PA4), two Test Sheets, and continuous practical observation provide regular, low-stakes feedback.
Global Awareness (SDGs)	Ch.11 connects AI and Data Science to the UN SDGs, building global citizenship and awareness of technology's role in solving world problems.