Chinmay International School

Annual Syllabus Handbook

Grade 7

Academic Year 2026-27

Grade 7 — English

Annual Syllabus 2026-27

New Mylestone | S. Chand School | Author: Manisha Dak | NCF 2023 Aligned

CBSE | NCF 2023 | 15 Literature Chapters | 35 Grammar Units | Practice Book | P.C. Wren's Grammar

Books in Use

Book	Author / Publisher	Purpose
English Coursebook Grade 7 – Part A	Manisha Dak | New Mylestone, S. Chand	Main reader – Term 1 (Themes 1–3, Ch. 1–9)
English Coursebook Grade 7 – Part B	Manisha Dak | New Mylestone, S. Chand	Main reader – Term 2 (Themes 4–5, Ch. 10–15)
English Practice Book Grade 7	Manisha Dak | New Mylestone, S. Chand	Reading, writing & language reinforcement
P.C. Wren's Grammar – Class 7 (Updated Ed.)	S. Chand School | NEP 2020 Aligned	Grammar (35 units), 3 Revision Tests, Composition, Board Game

Syllabus Overview

The Grade 7 English syllabus covers 15 chapters across 5 thematic units in two Coursebook parts, supported by P.C. Wren's Grammar (35 units, 3 Revision Tests), a Practice Book, and Add-On components including Projects, Listening Texts, and a Board Game. Skills covered span reading comprehension (factual, critical, value-based, analytical), vocabulary, grammar, study skills, listening & speaking, and varied writing forms.

TERM 1 (April – September 2026)

Covered through Coursebook Part A — Themes 1, 2 & 3 (Chapters 1–9) + Beyond the Text extensions.

THEME 1: LEARNING TOGETHER (Chapters 1–3)

Ch.	Title	Type	Vocabulary	Grammar	Listen & Speak	Write
1	A White Heron	Prose	Words — strong verbs; Metaphors	Phrases, Clauses, Sentences; Kinds of Sentences	Making a presentation; sharing views	Learning a craft
2	Tremendous Trio	Prose	Compound sentences; objectives	Noun: Case (Nominative, Objective, Possessive)	Summarise and discuss; share observations	Letter writing
3	Purrfectly True	Prose/Fable	Kenophobia; Words related to plants	Adjectives: Kinds, Formation, without Nouns, Order	Making connections with the text; oral discussion	Safety guide

THEME 2: WIT AND HUMOUR (Chapters 4–5)

Ch.	Title	Type	Vocabulary	Grammar	Listen & Speak	Write
4	Funny People's Funniest Stories	Prose	Dental care; Character – comic	Articles: Indefinite A/An; Definite The; Omission; Repetition	Listening to identify main idea; retell with humour	Anecdotes
5	This is Going to Hurt Just a Little Bit	Prose	Ways to laugh; adjectives	Pronouns: Kinds; more about Relative Pronouns	Making connections with the text; oral presentation	Safety writing / Notice writing

THEME 3: DREAMS AND DISCOVERIES (Chapters 6–9)

Ch.	Title	Type	Vocabulary	Grammar	Listen & Speak	Write
6	The Selfish Giant	Prose	Phrases; Science and nature words	Verbs: Finite & Non-finite; Transitive & Intransitive; Direct & Indirect Objects	Listening and making visual representations; discuss theme	Story writing
7	India's Rocket Women	Prose	Character comparison; Simile	Tenses: All 9 tenses (Simple Present to Future Continuous)	Oral activity on women scientists; group presentation	Biography / Inspiring figure
8	Revolutionary Dreams	Prose	Peer learning; transformation of adjectives	Infinitives and Gerunds	Making connections with text; enact a scene	Story writing
9	The Call of the Wild	Prose	Types of animals; Phrases	Participles: Present & Past; Participial Clause; Dangling Participle	Listening to a news report; analyse character motivation	A report

TERM 2 (October 2026 – March 2027)

Covered through Coursebook Part B — Themes 4 & 5 (Chapters 10–15) + Beyond the Text extensions.

THEME 4: TRAVEL AND ADVENTURE (Chapters 10–12)

Ch.	Title	Type	Vocabulary	Grammar	Listen & Speak	Write
10	The Chinese Jars	Prose	Facts about Chinese jars; Food	Voice: Active and Passive; Conversion	Making connections; change a	Formal Letter

Ch.	Title	Type	Vocabulary	Grammar	Listen & Speak	Write
			dogs	Active ↔ Passive	scene coming up; class discussion	
11	Wonder Thirst	Prose	Nature Travel; Words related to values	Reported Speech: Conversion Direct → Indirect; Indirect → Direct	Listening to Mystery jars; reporting events	Reflective journal entry
12	A Working Boy at Eight	Prose (Autobiography)	Prefix and Suffix; Idioms; expressions	Adverbs: Types, Comparison, Formation, Position	Reporting events; class constitution	Report

THEME 5: BRAVEHEARTS (Chapters 13–15)

Ch.	Title	Type	Vocabulary	Grammar	Listen & Speak	Write
13	The Cat at the Wild	Prose	Words from the story; Words related to story values	Prepositions: in, at, on, for, since, till, by; How Prepositions Govern Nouns & Pronouns	Listening to report — didn't see it coming; discussing bravery	Biography writing
14	A Voice for the Marginalised	Prose	Synonyms and Antonyms; Words related to sanitation	Conjunctions: Coordinating, Subordinating, Correlatives	Reporting conversations; Speech writing	Speech writing
15	Where the Mind is Without Fear	Poem (Tagore)	Idiomatic expressions; Words related to sanitation	Punctuation: Full Stop, Comma, Semicolon, Colon, Question Mark, Exclamation, Quotation Marks, Capital Letters	Making connections with the text; Factual & Analytical questions	Vision board / Creative response

P.C. Wren's Grammar — Class 7 (All 35 Units + 3 Revision Tests + Add-Ons)

Term 1 — Units 1–11 + Revision Tests 1 & 2

Unit	Topic	Key Concepts
1	Phrases, Clauses and Sentences	Phrases, Clauses, Sentences; Kinds of Sentences
2	Noun: Case	Nominative Case; Objective Case; Possessive Case
3	Adjectives	Kinds of Adjectives; Formation of Adjectives; Adjectives

Unit	Topic	Key Concepts
		without Nouns; Order of Adjectives
4	Articles	Indefinite Article: A or An; Definite Article: The; Omission of the Article; Repetition of the Article
5	Pronouns	Kinds of Pronouns; More about Relative Pronouns
—	Revision Test 1	Revision exercises of Units 1–5
6	Verbs	Finite and Non-finite Verbs; Transitive and Intransitive Verbs; Direct and Indirect Objects; Transitive and Intransitive Use of Verbs
7	Tenses	Simple Present; Present Continuous; Present Perfect; Simple Past; Present Perfect Continuous; Past Continuous; Past Perfect; Simple Future; Future Continuous
8	Infinitives and Gerunds	Infinitives; Bare Infinitives; Gerunds
9	Participles	Present and Past Participles; Participial Clause; Dangling Participle
10	Voice	Active Voice and Passive Voice; Conversion from Active to Passive and Vice Versa
11	Reported Speech	Conversion from Direct Speech to Indirect Speech and Vice Versa
—	Revision Test 2	Revision exercises of Units 6–11

Term 2 — Units 12–19 + Revision Test 3

Unit	Topic	Key Concepts
12	Adverbs	Types of Adverbs; Comparison of Adverbs; Formation of Adverbs from Adjectives; Position of Adverbs
13	Prepositions	Use of in, at, on, for, since, till, by; How Prepositions Govern Nouns and Pronouns; Position of Preposition
14	Conjunctions	Coordinating Conjunctions; Subordinating Conjunctions; Correlatives
15	Punctuation	Full Stop (.); Comma (,); Semicolon (;); Colon (:); Question Mark (?); Exclamation Mark (!); Quotation Marks ("); Capital Letters
16	Types of Phrases and Clauses	Noun Phrase; Adjective Phrase; Prepositional Phrase; Adverb Phrase; Main Clause and Subordinate Clause: Noun Clause, Adjective Clause, Adverb Clause
17	Sentences: Simple, Compound and Complex	Simple Sentences; Compound Sentences; Complex Sentences; Compound-Complex Sentences
18	Sentence Analysis I	Simple Subjects and Predicates; Enlargement of Subject; Extension of Predicate
19	Sentence Analysis II	Enlargement of the Object; Complement; Analysis of Simple Sentences
—	Revision Test 3	Revision exercises of Units 12–19

Composition & Communication (Units 20–35)

Unit	Topic	Key Concepts
20	Comprehension	Story Comprehension; Factual Passages; Factual and Inferential Questions
21	Summary	Introduction; Specimen Summaries; Exercises
22	Paragraph Writing	Introduction; Format; Specimen Paragraphs; Exercises
23	Essay Writing	Introduction; Format; Specimen Essays; Essays on Biographical Experience; Exercises
24	Travelogues	Introduction; Format; Specimen Travelogues; Exercises
25	Biographies	Introduction; Specimen Biographies; Autobiographies; Specimen Autobiographies; Exercises
26	Creative Writing	Story Writing; Developing a Story from an Outline; Dialogue Writing; Developing Dialogue from Story; Specimens; Exercises
27	Notices	Introduction; Format; Specimen Notices; Exercises
28	Messages	Introduction; Format; Specimen Messages; SMS; Specimen SMS; Exercises
29	Reports	Introduction; Features and Format; Specimen Reports; Exercises
30	Personal Diary	Introduction; Format; Specimen Diary Entries; Exercises
31	Brochures	Introduction; Specimen Brochures; Exercises
32	Lists	Introduction; Features and Format; Specimen List; Exercises
33	Letters and Emails	Formal Letters; Format; Specimen Formal Letters; Writing an Email; Format; Specimen Emails; Exercises
34	Words	Understanding Prepositional Phrases; Exercises
35	Listen and Speak	Listening to Stories; Factual Information; Instructions; Exercises; Enacting a Scene
—	Project	A mix of grammar and a hands-on task
—	Listening Text	Text for listening exercises
—	Board Game	Grammar practice through a fun board game

Complete Literature Chapter Summary — At a Glance

Ch.	Title	Theme	Type	Grammar Link	Writing Task	Term
1	A White Heron	Learning Together	Prose	Phrases, Clauses, Sentences	Learning a craft	Term 1
2	Tremendous Trio	Learning Together	Prose	Noun: Case	Letter writing	Term 1
3	Purrfectly True	Learning Together	Fable/Prose	Adjectives	Safety guide	Term 1
4	Funny People's Funniest Stories	Wit & Humour	Prose	Articles	Anecdotes	Term 1
5	This is Going to	Wit & Humour	Prose	Pronouns	Notice writing	Term 1

Ch.	Title	Theme	Type	Grammar Link	Writing Task	Term
	Hurt Just a Little Bit					
6	The Selfish Giant	Dreams & Discoveries	Prose	Verbs	Story writing	Term 1
7	India's Rocket Women	Dreams & Discoveries	Prose	Tenses (all 9)	Biography	Term 1
8	Revolutionary Dreams	Dreams & Discoveries	Prose	Infinitives & Gerunds	Story writing	Term 1
9	The Call of the Wild	Dreams & Discoveries	Prose	Participles	A report	Term 1
10	The Chinese Jars	Travel & Adventure	Prose	Voice (Active/Passive)	Formal Letter	Term 2
11	Wonder Thirst	Travel & Adventure	Prose	Reported Speech	Reflective journal	Term 2
12	A Working Boy at Eight	Travel & Adventure	Autobiography	Adverbs	Report	Term 2
13	The Cat at the Wild	Braveharts	Prose	Prepositions	Biography	Term 2
14	A Voice for the Marginalised	Braveharts	Prose	Conjunctions	Speech writing	Term 2
15	Where the Mind is Without Fear	Braveharts	Poem (Tagore)	Punctuation	Vision board	Term 2

English Practice Book — Skills Coverage

Skill Area	Types of Exercises
Reading Comprehension	Factual, critical thinking, value-based, and analytical questions for each chapter
Vocabulary	Context-based meanings, synonyms, antonyms, idioms, word forms
Grammar Practice	Exercises reinforcing all 19 grammar units from Wren's (Units 1–19)
Writing Practice	Guided writing for all composition forms (Units 20–33)
Listening & Speaking	Listen and respond; oral tasks linked to each chapter
Study Skills	Summary writing, note-taking, comprehension strategies
Literature Appreciation	Figurative language, tone, theme, character analysis

NCF 2023 / CBSE Competency Mapping

Competency Domain	Chapter / Unit	Approach
Reading & Comprehension	All 15 chapters — factual, critical, analytical	Close reading; inferential questioning
Vocabulary & Word Power	Every chapter — context-based vocabulary	Dictionary use; word families; idioms
Grammar (Sentence Level)	Wren's Units 1–19 + coursebook grammar	Inductive learning; contextual exercises
Writing — Functional	Units 27–33: Notices, Letters, Reports, Messages, Diary, Brochures	Format-based writing with specimens
Writing — Creative	Units 22–26: Paragraphs, Essays, Travelogues, Biographies, Creative Writing	Process writing; drafting; revising
Listening & Speaking	Unit 35 + coursebook L&S activities	Enacting scenes; public speaking; discussions
Values & Life Skills	Themes 1, 3, 5 — empathy, bravery, discovery	Discussion; reflection; creative response
Digital & Media Literacy	Ch. 7 (India's Rocket Women); Vision Board (Ch. 15)	Research; digital content creation

Suggested Monthly Plan

Month	Literature (Coursebook)	Grammar (Wren's)	Writing Focus
April	Ch. 1: A White Heron	Units 1–2: Phrases/Clauses/Sentences; Noun Case	Learning a craft — description
May	Ch. 2: Tremendous Trio + Ch. 3: Purrfectly True	Units 3–4: Adjectives; Articles	Letter writing; Safety guide
June	Ch. 4 & 5: Wit & Humour chapters	Unit 5: Pronouns + Revision Test 1	Anecdotes; Notice writing
July	Ch. 6: The Selfish Giant + Ch. 7: India's Rocket Women	Units 6–7: Verbs; Tenses (all 9)	Story writing; Biography
August	Ch. 8: Revolutionary Dreams + Ch. 9: The Call of the Wild	Units 8–9: Infinitives/Gerunds; Participles	Story writing; Report
September	Revision Ch. 1–9 — Half-Yearly preparation	Units 10–11: Voice; Reported Speech + Revision Test 2	Summary; comprehension skills
October	Ch. 10: The Chinese Jars	Units 12–13: Adverbs; Prepositions	Formal letter writing
November	Ch. 11: Wonder Thirst + Ch. 12: A Working Boy at Eight	Units 14–15: Conjunctions; Punctuation	Reflective journal; Report
December	Ch. 13: The Cat at the Wild	Units 16–17: Phrases/Clauses; Simple/Compound/Complex Sentences	Biography writing
January	Ch. 14: A Voice for the	Units 18–19: Sentence	Speech writing;

Month	Literature (Coursebook)	Grammar (Wren's)	Writing Focus
	Marginalised + Ch. 15: Where the Mind is Without Fear	Analysis I & II + Revision Test 3	Vision board
February	Units 20–33: Comprehension through Letters & Emails	Units 20–35: Composition units	Essay; Travelogue; Brochure; Diary
March	Full Revision — all themes + grammar	Board Game + Project	Portfolio completion; Annual exam prep

Assessment Guidelines (CBSE / NCF 2023 Aligned)

Assessment Mode	Method	Frequency
Reading Aloud / Oral	Chapter reading, poem recitation, enacting a scene	Monthly
Written Classwork	Grammar exercises, comprehension, vocabulary	Weekly
Writing Tasks	Notices, letters, reports, essays, stories, diary	Each unit
Portfolio	Written samples, creative work, Practice Book	Each term
Periodic Tests (Wren's)	Revision Tests 1, 2 & 3 after units 5, 11, 19	3 times/year
Projects	Hands-on grammar + cross-curricular task	Term 2
Listening Text	Listening comprehension exercise	Term 1 & 2
Board Game	Grammar review through game	Term 2
Summative Assessment	Term-end test: all chapters + grammar covered that term	End of Term 1 & 2

Note: This syllabus is based on New Mylestone English Coursebook Grade 7 Parts A & B (Manisha Dak), English Practice Book Grade 7, and P.C. Wren's Grammar Class 7 (Updated Edition) — all published by S. Chand School. Aligned with CBSE guidelines and NCF 2023.

कक्षा 7 — हिन्दी वार्षिक शैक्षणिक योजना

(CBSE | NEP 2020 | NCF 2023 अनुसार)

Academic Overview

कक्षा 7 हिन्दी विषय का उद्देश्य विद्यार्थियों में भाषा कौशल, रचनात्मकता, पठन, लेखन तथा मूल्य आधारित शिक्षा का विकास करना है।

Prescribed Textbooks

Examination Schedule

Month-wise Annual Plan

NEP/NCF Competency Mapping

Assessment Plan

रचनात्मक एवं समापन मूल्यांकन के माध्यम से विद्यार्थियों की प्रगति का मूल्यांकन किया जाएगा।

Revision Schedule

Teacher Guidelines

गतिविधि आधारित शिक्षण, समूह कार्य, भाषा अभिव्यक्ति और जीवन मूल्यों पर विशेष ध्यान दिया जाए।

क्रम	पुस्तक का नाम	प्रकाशक
1	हिन्दी पाठ्यपुस्तक भाग 1	NCERT
2	हिन्दी पाठ्यपुस्तक भाग 2	NCERT
3	व्याकरण एवं रचना	विद्यालय प्रकाशन

परीक्षा	माह	अंक	पाठ्यक्रम
FA-1	जुलाई 2026	20	पाठ 1–4
SA-1	सितम्बर 2026	80	पाठ 1–7
FA-2	दिसम्बर 2026	20	पाठ 8–11
SA-2	मार्च 2027	80	संपूर्ण पाठ्यक्रम

माह	पाठ	भाषा कौशल	गतिविधि	मूल्य
अप्रैल	कलम आज उनकी	कविता पठन	काव्य वाचन	देशप्रेम

	जय बोल			
जून	ईमानदारी	लेखन कौशल	समूह चर्चा	ईमानदारी
अगस्त	गोली मिट्टी	भाषा अभिव्यक्ति	भूमिका अभिनय	संवेदनशीलता
अक्टूबर	अद्भुत पर्वतारोही	पठन कौशल	प्रोजेक्ट कार्य	साहस
दिसम्बर	सूरदास के पद	काव्य सौंदर्य	पद गायन	भक्ति

कौशल	विवरण
पठन कौशल	पाठ समझ एवं वाचन
लेखन कौशल	रचनात्मक लेखन एवं अनुच्छेद
भाषाई अभिव्यक्ति	मौखिक प्रस्तुति
मूल्य शिक्षा	जीवन कौशल एवं नैतिकता

परीक्षा	पुनरावृत्ति अवधि
FA-1	1 सप्ताह
SA-1	2 सप्ताह
FA-2	1 सप्ताह
SA-2	3 सप्ताह

ધોરણ ૭ — ગુજરાતી વિષયનું વાર્ષિક આયોજન

(CBSE | NEP 2020 | NCF 2023 અનુસાર)

શૈક્ષણિક અવલોકન (Academic Overview)

ધોરણ ૭ ગુજરાતી વિષયનું આયોજન વિદ્યાર્થીઓમાં ભાષાકૌશલ્ય, વાંચન, લેખન, બોલચાલ, વ્યાકરણ અને સર્જનાત્મક અભિવ્યક્તિનો વિકાસ કરે છે.

નિર્ધારિત પાઠ્યપુસ્તકો (Prescribed Textbooks)

પરીક્ષા સમયપત્રક (Examination Schedule)

માસવાર વાર્ષિક આયોજન (Month-wise Annual Plan)

NEP/NCF Competency Mapping

મૂલ્યાંકન યોજના (Assessment Plan)

રચનાત્મક અને સમાપન મૂલ્યાંકન દ્વારા વિદ્યાર્થીઓની પ્રગતિનું મૂલ્યાંકન કરવામાં આવશે.

પુનરાવર્તન આયોજન (Revision Schedule)

શિક્ષક માર્ગદર્શિકા (Teacher Guidelines)

પ્રવૃત્તિ આધારિત શિક્ષણ, જૂથકાર્ય, ભાષા અભિવ્યક્તિ અને મૂલ્ય શિક્ષણ પર ભાર મુકવો.

ક્રમ	પાઠ્યપુસ્તકનું નામ	પ્રકાશક
1	તીર્ષા — ગુજરાતી પાઠ્યપુસ્તક ધોરણ ૭	Harbour Press
2	ગુજરાતી વ્યાકરણ અને રચના	શાળા પ્રકાશન
3	પ્રવૃત્તિ આધારિત વર્કબુક	આંતરિક ઉપયોગ

પરીક્ષા	સમય	ગુણ	આવરણ
FA-1	જુલાઈ 2026	20	પાઠ 1 થી 4
SA-1	સપ્ટેમ્બર 2026	80	પાઠ 1 થી 9
FA-2	ડિસેમ્બર 2026	20	પાઠ 10 થી 13
SA-2	માર્ચ 2027	80	સંપૂર્ણ અભ્યાસક્રમ

મહિનો	પાઠ	ભાષા કૌશલ્ય	પ્રવૃત્તિ	મૂલ્ય આધાર
એપ્રિલ	હરિ વસે હરિના	વાંચન	પાઠવાંચન	ભક્તિભાવ

	જનમાં			
જૂન	ગુણવત પ્રશ્ને	વ્યાકરણ	શબ્દરમત	શ્રેષ્ઠતા
ઓગસ્ટ	લાલચ બૂરી બલા	લેખન	વાર્તાલેખન	સદાચાર
નવેમ્બર	ગાંધીજીનાં જીવનપ્રસંગો	નિબંધ	ચર્ચા	અહિંસા

કૌશલ્ય	**અમલીકરણ**
વાંચન કૌશલ્ય	પાઠવાંચન અને સમજ
સર્જનાત્મક લેખન	નિબંધ, વાર્તા લેખન
ભાષા અભિવ્યક્તિ	મૌખિક પ્રવૃત્તિ
મૂલ્ય શિક્ષણ	પાઠ આધારિત ચર્ચા

दीपकम् — कक्षा ७ संस्कृत पाठ्यक्रम

CBSE | NCERT | NEP 2020 | NCF 2023 आधारित

क्रम	पाठ / विषय	भाषा-कौशल	क्रियाकलाप	अधिगम-फल
१	सुभाषितानि	पठन, उच्चारण	श्लोक-पाठ	नैतिक मूल्यों की समझ
२	मम परिवारः	संवाद-कौशल	परिवार-वर्णन	संबंधों का महत्व समझना
३	विद्यालयः	लेखन-कौशल	चित्र-वर्णन	विद्यालय जीवन का वर्णन
४	पर्यावरण संरक्षणम्	शब्दज्ञान	पोस्टर निर्माण	पर्यावरण जागरूकता
५	स्वच्छता अभियानम्	वाचन-कौशल	समूह चर्चा	स्वच्छता का महत्व
६	क्रीडायाः महत्वम्	श्रवण-कौशल	भूमिका-अभिनय	खेल भावना का विकास
७	भारतीय संस्कृति	भाषण-कौशल	संस्कृति प्रस्तुति	भारतीय परंपराओं का ज्ञान
८	सुभाषितमाला	श्लोकार्थ	कंठस्थ गतिविधि	सदाचार का विकास
९	यात्रा-वृत्तान्तम्	रचनात्मक लेखन	यात्रा विवरण लेखन	कल्पनाशक्ति का विकास
१०	प्रकृतिः अस्माकं मित्रम्	शब्दावली	प्रकृति अवलोकन	प्रकृति प्रेम विकसित करना
११	विज्ञानं संस्कृते	नवीन शब्द	विज्ञान चर्चा	वैज्ञानिक दृष्टिकोण
१२	समयस्य महत्वम्	अनुच्छेद लेखन	समय-सारणी बनाना	समय प्रबंधन कौशल

शिक्षण-पद्धति (NEP 2020 एवं NCF 2023 अनुसार)

- अनुभवात्मक एवं गतिविधि-आधारित अधिगम
- भाषा-कौशल आधारित शिक्षण
- संवादात्मक एवं सहयोगात्मक गतिविधियाँ
- रचनात्मकता और चिंतन कौशल का विकास
- भारतीय संस्कृति एवं मूल्यों का समावेश
- कौशल-आधारित मूल्यांकन प्रणाली

मूल्यांकन संरचना

मूल्यांकन प्रकार	अंक	आधार
कक्षा सहभागिता	20	सक्रिय सहभाग
परियोजना कार्य	20	रचनात्मकता
मौखिक परीक्षण	20	उच्चारण एवं वाचन
लिखित कार्य	20	लेखन कौशल
आवधिक परीक्षा	20	विषय समझ

यह पाठ्यक्रम *CBSE, NCERT, NEP 2020* तथा *NCF 2023* के दिशा-निर्देशों के अनुसार तैयार किया गया है।

Art Exploration – Grade 7

CBSE | NEP 2020 | NCF 2023 Aligned Visual Arts Curriculum

S.No.	Topic / Chapter	Skills Developed	Activities	Learning Outcomes
1	Analogous Colours	Colour harmony	Colour wheel activity	Understands colour combinations
2	Nature Observation	Observation skills	Pattern sketching	Enhances visual awareness
3	Scenery Hatching & Cross-Hatching	Shading techniques	Landscape drawing	Learns texture and depth
4	Animal Portrait – Horse	Animal anatomy	Cross-hatching drawing	Improves detailing skills
5	Still Life Drawing	Composition	Chair, cup and pumpkin sketching	Develops observation and balance
6	Charcoal Art	Charcoal shading	Candle drawing	Learns tonal values
7	Watercolour Activities	Painting techniques	Gazelle and squirrel painting	Develops brush control
8	Landscape Art	Perspective	Village hut scenery	Creates scenic compositions
9	Pen Work & Scribbling	Creative expression	Tree and geometric patterns	Enhances imagination
10	Madhubani Art	Traditional art skills	Madhubani painting	Appreciates Indian folk art
11	Perspective Art	3D understanding	Bug's eye view drawing	Understands depth and dimension
12	Human Figure Drawing	Human proportions	Face and body sketching	Improves figure drawing
13	Caricature Art	Creative exaggeration	Self caricature	Develops humour and creativity
14	Craft Work	Handcraft skills	Mandala dot craft and silhouette art	Enhances fine motor skills
15	Calligraphy	Letter designing	Roman lettering practice	Improves handwriting aesthetics
16	Photography	Visual storytelling	Light and shadow photography	Learns framing and composition
17	School Calendar Design	Design thinking	Creative layout making	Develops presentation skills

Pedagogical Approach

- Experiential and activity-based learning
- Competency-based visual arts education
- Creative and collaborative activities
- Portfolio and project-based assessment
- Integration of folk and contemporary art
- Encouragement of imagination and innovation

Assessment Criteria

Assessment Component	Marks	Focus Area
Sketchbook Work	20	Creativity and regularity
Practical Activities	30	Application of art techniques
Project Work	20	Innovation and presentation
Portfolio	15	Art collection and reflection
Class Participation	15	Participation and teamwork

Prepared according to CBSE Art Education Guidelines, NEP 2020, and NCF 2023.

Science — Grade 7 | Academic Year 2026–27

NEP 2020 Aligned | Windows 10 | MS Office 2019 | Python | HTML5 | AI

1. Academic Overview

This annual syllabus has been designed for Grade 7 Computer Science, aligned with NEP 2020 and the New Mylestone Computer Science Coursebook (Dr Sandeep Saini | Manpreet Kaur | S Chand School). The subject is organised across three core strands — Digital & Cyber, Computational Thinking & Coding, and Artificial Intelligence — plus a comprehensive Add-On section covering assessments, projects, digital citizenship, micro:bit physical computing, and Olympiad preparation.

1.1 Prescribed Textbook

- New Mylestone Computer Science Coursebook — Grade 7 | Authors: Dr Sandeep Saini, Manpreet Kaur | Publisher: S Chand School
- Software Platforms: Windows 10, MS Office 2019 (Excel, Word, PowerPoint), Krita, Canva, Google Workspace, MIT App Inventor, HTML5, MakeCode Arcade, Python 3, Microsoft MakeCode for micro:bit

1.2 Three Strands + Add-Ons at a Glance

- Digital & Cyber (Blue): Chapters 1–5 — Number System; Spreadsheet Formulas & Functions; Krita Image Editing; Canva; Google Apps
- Computational Thinking & Coding (Orange): Chapters 6–9 — App Development; HTML5 Lists & Tables; MakeCode Arcade Advanced; Python Conditions & Loops
- Artificial Intelligence (Green): Chapter 10 — Relate with AI
- Add-Ons (Purple/Grey): Periodic Assessments 1–4; Test Sheets 1–2; Projects; Digital Citizenship; micro:bit Supplement; Olympiad

1.3 Examination Schedule

Exam	Period	Date Range	Marks	Weightage
PT1	Term 1	July 13–15, 2026	20	10%
Half Yearly	Term 1 (End)	Sep 16–28, 2026	80	40%
PT2	Term 2	Dec 7–19, 2026	20	10%
Annual Exam	Term 2 (End)	Mar 1–9, 2027	80	40%

1.4 NEP 2020 Alignment Principles

- Coding as a core skill: Python and HTML5 taught as structured text-based programming; App Inventor and MakeCode for block-based/visual coding
- AI literacy: Chapter 10 explicitly develops awareness of machine learning, NLP, ethical AI, and bias — aligned with NEP's AI readiness goals

- Digital citizenship: dedicated Add-On section on cyber safety, netiquette, privacy, and responsible online behaviour
- Physical computing: micro:bit supplement introduces hardware-software integration and IoT concepts
- Creativity and design: Krita and Canva develop visual literacy and digital design skills
- Interdisciplinary connect: spreadsheets link to Maths; Canva to Arts; AI and digital citizenship to Social Sciences and Ethics

2. Month-by-Month Syllabus Plan

The plan maps each month to the strand, chapter, key concepts, skills, and activity. Teachers should use Periodic Assessments from the Add-On section as built-in checkpoints after every 2–3 chapters.

Month	Strand	Chapter	Key Concepts	Skills	Activity / Practice	Exam
April 2026	Digital & Cyber	Ch 1: Number System (p.7)	Binary, decimal, octal, hexadecimal number systems; converting between systems; binary addition; applications in computing	Number conversion; binary arithmetic; logical thinking	Conversion practice: decimal ↔ binary ↔ octal ↔ hex; binary addition worksheet; number system chart	—
May 2026	Digital & Cyber	Ch 2: Spreadsheet — Formulas and Functions (p.16)	MS Excel 2019 / Google Sheets: cell referencing (relative, absolute); formulas; functions — SUM, AVERAGE, MAX, MIN, COUNT, IF, VLOOKUP (intro); charts	Spreadsheet skills; formula writing; data analysis; chart creation	Marks analysis sheet with IF grades; budget planner; chart from data; class survey analysis in Excel	—
June 2026	Digital & Cyber	Ch 3: Krita — Image Editing (p.28)	Krita interface; layers; selection tools; filters and effects; colour correction; image manipulation; digital art creation; exporting files	Digital image editing; creative thinking; layers concept	Edit a photograph using filters and layers; create a digital poster in Krita; before/after comparison	PT1 Revision (end June)
July 2026	Digital & Cyber	Ch 4: Canva — An	Canva interface;	Visual design; digital	Design a school event poster in Canva; create an	PT1: July 13–

Month	Strand	Chapter	Key Concepts	Skills	Activity / Practice	Exam
		Introduction (p.37)	templates; design elements — text, images, shapes, icons; creating presentations, posters, and infographics; sharing and downloading	communication; creativity	infographic on a science/social topic; design a class newsletter	15
August 2026	Digital & Cyber	Ch 5: Google Apps (p.46)	Google Workspace — Docs, Sheets, Slides, Drive, Forms, Meet; cloud storage; collaboration in real-time; sharing and permissions; Google Forms survey	Cloud collaboration; productivity; digital citizenship	Collaborative Google Doc project; class survey using Google Forms; shared presentation on Google Slides	—
September 2026	Computational Thinking & Coding	Ch 6: App Development (p.65)	MIT App Inventor / similar platform; app design cycle — UI design, programming blocks, testing; event handling; building a simple mobile app	App design; block-based programming; problem decomposition; testing	Build a quiz app or calculator app using App Inventor; test and debug; present the app to the class	Half Yearly: Sep 16–28
October 2026	Computational Thinking & Coding	Ch 7: HTML5 — Lists and Tables (p.75)	HTML5 revision; ordered and unordered lists; nested lists; HTML tables — rows, columns, colspan, rowspan; attributes; styling with inline CSS (intro)	Web development; HTML coding; structured content creation	Create a webpage with a timetable using HTML tables; build a recipe page with ordered/unordered lists	—
November 2026	Computational Thinking & Coding	Ch 8: MakeCode Arcade —	MakeCode Arcade: sprites;	Game design; logical thinking;	Design a multi-level arcade game in MakeCode; add scoring and lives system;	—

Month	Strand	Chapter	Key Concepts	Skills	Activity / Practice	Exam
		Advanced Blocks (p.93)	scenes; tilemaps; game mechanics — scoring, lives, levels; advanced blocks — arrays, functions; game design principles	block-based programming; debugging	share and play each other's games	
December 2026	Computational Thinking & Coding	Ch 9: Python — Conditions and Loops (p.110)	Python revision; conditional statements — if, elif, else; loops — for loop, while loop; range(); nested conditions; loop with conditions; simple programs	Python programming; algorithmic thinking; debugging; code writing	Python programs: number guessing game; multiplication table generator; even/odd checker; simple pattern printing	PT2: Dec 7–19
January 2027	Artificial Intelligence	Ch 10: Relate with AI (p.125)	What is AI; machine learning basics — supervised, unsupervised; natural language processing; image recognition; AI in everyday life; ethical AI; bias in AI; future of AI	Critical thinking; AI awareness; ethical reasoning; research	AI application scavenger hunt; bias in AI discussion; train a simple ML model (Teachable Machine / ML4Kids); AI ethics debate	—
February 2027	Add-On / Projects	Projects + Digital Citizenship + MakeCode for micro:bit Supplement + Olympiad Prep	Projects: integrating skills across all strands. Digital Citizenship: online safety; netiquette; privacy; cyber ethics; responsible social media use. micro:bit supplement:	All integrated skills; project planning; digital ethics; physical computing	Annual project (cross-strand); digital citizenship charter; micro:bit activity; Olympiad practice paper	Annual Exam Prep

Month	Strand	Chapter	Key Concepts	Skills	Activity / Practice	Exam
			physical computing intro			
March 2027	Revision	Full Syllabus Revision — Chapters 1–10 + All Add-Ons	Revision: number systems; spreadsheets; Krita; Canva; Google Apps; App Development ; HTML5; MakeCode; Python; AI; digital citizenship	All integrated skills; exam technique; practical skills	Mock test (theory + practical); coding challenge; concept map revision; past paper practice	Annual Exam: Mar 1–9, 2027

3. Chapter-wise Syllabus

All 10 chapters and all Add-On components are listed with their strand, month, key concepts, skills, and activities/practice tasks.

Ch.	Chapter	Strand	Month	Key Concepts	Skills	Activity / Practice
1	**Number System**	Digital & Cyber	Apr	Binary, decimal, octal, hex; conversion; binary addition; computing applications	Conversion; binary arithmetic	Conversion drills; binary addition; number system chart
2	**Spreadsheet — Formulas and Functions**	Digital & Cyber	May	Excel/Sheets; relative/absolute referencing; SUM, AVG, MAX, MIN, COUNT, IF, VLOOKUP; charts	Spreadsheet; data analysis	Marks sheet; budget planner; class survey chart
3	**Krita — Image Editing**	Digital & Cyber	Jun	Krita interface; layers; selection; filters; colour correction; digital art; export	Image editing; creativity	Photo editing; digital poster; before/after task
4	**Canva — An Introduction**	Digital & Cyber	Jul	Canva interface; templates; design elements; presentations, posters, infographics; sharing	Visual design; digital communication	Event poster; infographic; class newsletter
5	**Google Apps**	Digital & Cyber	Aug	Google Workspace — Docs, Sheets, Slides, Drive, Forms, Meet; cloud collaboration; permissions	Cloud productivity; digital citizenship	Collaborative Doc; Google Forms survey; shared Slides
6	**App Development**	Comp. Thinking & Coding	Sep	App Inventor; app design cycle; UI; event handling; block programming; testing	App design; block coding; testing	Quiz app or calculator app; debug and present

Ch.	Chapter	Strand	Month	Key Concepts	Skills	Activity / Practice
7	**HTML5 — Lists and Tables**	Comp. Thinking & Coding	Oct	HTML5 lists (ordered/unordered/nested); tables — rows, cols, colspan, rowspan; inline CSS intro	Web development; HTML coding	Timetable webpage; recipe page with lists
8	**MakeCode Arcade — Advanced Blocks**	Comp. Thinking & Coding	Nov	MakeCode Arcade; sprites; tilemaps; scoring/lives/levels; arrays; functions; game design	Game design; debugging	Multi-level game; add scoring/lives; share and play
9	**Python — Conditions and Loops**	Comp. Thinking & Coding	Dec	Python: if/elif/else; for loop; while loop; range(); nested logic; simple programs	Python programming; algorithmic thinking	Guessing game; multiplication table; even/odd; pattern
10	**Relate with AI**	Artificial Intelligence	Jan	AI definition; ML basics; NLP; image recognition; AI in life; ethical AI; bias; future of AI	AI awareness; ethical reasoning	Teachable Machine; bias debate; AI app hunt
ADD	**Projects**	Add-On	Feb	Cross-strand integrated project; project planning; presentation	All integrated skills	Annual project — integrating all strands
ADD	**Digital Citizenship**	Add-On	Feb	Online safety; netiquette; privacy; cyber ethics; responsible social media use	Digital ethics; critical thinking	Digital citizenship charter; cyber safety pledge
ADD	**micro:bit Supplement**	Add-On	Feb	Microsoft MakeCode for micro:bit; physical computing; sensors; LED matrix; buttons	Physical computing; hands-on	micro:bit LED display; button-controlled program
ADD	**Olympiad Prep**	Add-On	Feb–Mar	Olympiad-level questions across all topics — theory and application	Speed; accuracy; problem solving	Olympiad practice papers; timed challenge

4. Term-wise Syllabus Breakdown

4.1 Term 1 (April – September 2026) — Digital & Cyber + App Development

Strand 1: Digital & Cyber — Chapters 1–5

- Ch 1: Number System — binary, decimal, octal, hex; conversion methods; binary addition
- Ch 2: Spreadsheet — Formulas and Functions — Excel 2019; cell referencing; SUM, AVG, MAX, MIN, COUNT, IF, VLOOKUP; charts and graphs
- Ch 3: Krita — Image Editing — layers; selection tools; filters; colour correction; digital art creation
- Ch 4: Canva — An Introduction — templates; design elements; posters, infographics, presentations
- Ch 5: Google Apps — Docs, Sheets, Slides, Drive, Forms, Meet; cloud collaboration; sharing
- Periodic Assessment 1 (after Ch 2); Periodic Assessment 2 (after Ch 5); Test Sheet 1 (before Half Yearly)

Strand 2: Computational Thinking & Coding — Chapter 6

- Ch 6: App Development — App Inventor; UI design; event handling; block programming; building and testing a simple app

Term 1 Examinations

- PT1 (July 13–15, 2026): Chapters 1–3 — Number System; Spreadsheet; Krita
- Half Yearly (Sep 16–28, 2026): Chapters 1–6 — Full Digital & Cyber + App Development

4.2 Term 2 (October 2026 – March 2027) — Coding + AI + Add-Ons

Strand 2 continued: Computational Thinking & Coding — Chapters 7–9

- Ch 7: HTML5 — Lists and Tables — ordered/unordered/nested lists; HTML tables; colspan/rowspan; intro inline CSS
- Ch 8: MakeCode Arcade — Advanced Blocks — sprites; tilemaps; scoring/lives/levels; arrays; functions; game design
- Ch 9: Python — Conditions and Loops — if/elif/else; for and while loops; range(); nested conditions; Python programs
- Periodic Assessment 3 (after Ch 8)

Strand 3: Artificial Intelligence — Chapter 10

- Ch 10: Relate with AI — what is AI; ML basics; NLP; image recognition; AI in life; ethical AI; bias; future of AI
- Periodic Assessment 4 (after Ch 10); Test Sheet 2 (before Annual Exam)

Add-Ons

- Projects — cross-strand integrated project (Feb)
- Digital Citizenship — cyber safety; netiquette; privacy; responsible AI use (Feb)
- micro:bit Supplement — Microsoft MakeCode for micro:bit; sensors; LED matrix; button programming (Feb)
- Olympiad — competition-level practice across all topics (Feb–Mar)

Term 2 Examinations

- PT2 (Dec 7–19, 2026): Chapters 6–8 — App Development; HTML5; MakeCode Arcade
- Annual Exam (Mar 1–9, 2027): Full syllabus — Chapters 1–10 + all Add-Ons

5. Add-On Assessment Schedule

The book includes a built-in assessment system through the Add-On section. These should be administered as per the schedule below and used as formative checkpoints throughout the year.

Add-On	Coverage	When	Purpose
Periodic Assessment 1	Chs 1–2	After Ch 2 (May)	Formative — number systems + spreadsheets
Periodic Assessment 2	Chs 3–5	After Ch 5 (Aug)	Formative — Krita, Canva, Google Apps
Test Sheet 1	Chs 1–5	Half Yearly Prep (Sep)	Summative practice — full Digital & Cyber strand
Periodic Assessment 3	Chs 6–8	After Ch 8 (Nov)	Formative — App Dev, HTML5, MakeCode
Periodic Assessment 4	Chs 9–10	After Ch 10 (Jan)	Formative — Python, AI
Test Sheet 2	Chs 6–10	Annual Prep (Feb)	Summative practice — full Coding + AI strand
Projects	All chapters	Feb	Integrated cross-strand project — graded
Digital Citizenship	Standalone	Feb	Values and ethics — cyber safety charter
micro:bit Supplement	Physical computing	Feb	Hands-on physical computing extension
Olympiad	All chapters	Feb–Mar	Competition preparation — theory + application

6. NEP 2020 Competency Mapping

The syllabus maps to NEP 2020's eight competency domains for Computer Science and Digital Literacy at the Middle Stage.

NEP/NCF Competency	Focus Areas	Mapped to Chapters
Digital Literacy	Number systems; spreadsheets; image editing; design tools; cloud apps; digital citizenship	Chs 1–5; Digital Citizenship Add-On
Computational Thinking	Problem decomposition; algorithms; debugging; logical reasoning; app and game design	Chs 6, 7, 8, 9
Coding & Programming	Block-based (App Inventor, MakeCode); text-based (Python); HTML5 web development	Chs 6, 7, 8, 9
Artificial Intelligence Literacy	ML basics; NLP; image recognition; ethical AI; bias; AI in everyday life	Ch 10 (Relate with AI)

NEP/NCF Competency	Focus Areas	Mapped to Chapters
Creativity & Design	Visual design (Canva); digital art (Krita); game design (MakeCode); app UI design	Chs 3, 4, 8
Collaboration & Communication	Google Workspace collaborative tools; sharing; presenting projects; peer review	Ch 5; Projects Add-On
Physical Computing	MakeCode for micro:bit; sensors; LED matrix; button programming; hardware-software link	micro:bit Supplement
Digital Citizenship & Ethics	Online safety; netiquette; privacy; responsible use of AI; cyber ethics	Digital Citizenship Add-On; Ch 10

7. Practical Activities & Coding Tasks

7.1 Term 1 Practical Tasks

- Ch 1 — Number system conversion drills (decimal to binary, binary to hex, etc.); binary addition practice; create a number system reference chart
- Ch 2 — Build a class marks analysis sheet in Excel with IF-based grade formula; create a budget planner; insert a bar/pie chart from a dataset; Google Sheets version for comparison
- Ch 3 — Open a photograph in Krita; apply filters and colour adjustments; use layers to add text overlay; create a digital poster for school event; export as JPEG/PNG
- Ch 4 — Design a school event poster using a Canva template; create an infographic on a science or social topic; design a 3-slide presentation; share via link
- Ch 5 — Collaborate on a Google Doc (shared with classmates); design a class survey using Google Forms and analyse results in Sheets; create a shared Google Slides presentation
- Ch 6 — Design and build a quiz app or simple calculator in MIT App Inventor; test on emulator; debug errors; demo to class

7.2 Term 2 Practical Tasks

- Ch 7 — Write HTML5 code for a personal webpage with ordered (steps) and unordered (hobbies) lists; create a school timetable using an HTML table with colspan/rowspan; style with basic inline CSS
- Ch 8 — Design a multi-level arcade game in MakeCode Arcade: add player sprite, enemies, scoring system, extra lives, and a second level; share game URL; play peer games
- Ch 9 — Python programs: (a) number guessing game using while loop + if/else; (b) multiplication table using for loop + range(); (c) even/odd checker; (d) triangle/star pattern using nested loops
- Ch 10 — Use Google's Teachable Machine to train a simple image recognition model; discuss AI bias with real examples; map 5 AI applications in everyday life; write a reflection on ethical AI
- micro:bit — Program the LED matrix to display a message; use button A/B to trigger actions; create a step counter or dice simulator
- Annual Project — Choose one cross-strand project integrating at least 3 topics (e.g., Excel data + Python analysis + Canva presentation on a real-world problem)

8. Assessment & Evaluation Plan

8.1 Formative Assessment

- Periodic Assessments 1–4 (built into Add-On section) — after every 2–3 chapters
- Weekly coding challenge — 10-minute task from the current chapter
- Lab record / practical notebook — maintained for every practical session
- Project assessment — cross-strand project (Feb) graded on planning, execution, and presentation

8.2 Summative Assessment

- PT1 (20 marks): Chapters 1–3 — July 13–15, 2026
- Half Yearly (80 marks): Chapters 1–6 — September 16–28, 2026
- PT2 (20 marks): Chapters 6–8 — December 7–19, 2026
- Annual Exam (80 marks): Full syllabus — March 1–9, 2027

8.3 Suggested Question Paper Pattern (Half Yearly & Annual — 80 Marks)

Section	Content	Question Type	Marks
A — Theory: Very Short Answer	MCQ; fill in blanks; true/false; match; one-word answers — number systems, theory concepts	Objective	20
B — Theory: Short Answer	Define; explain; differentiate; give steps; name functions/tags	Short answer (2–3 marks)	20
C — Theory: Long Answer	Describe process; write HTML code; write Python program; explain AI concept	Long answer (5 marks)	20
D — Practical / Application	Write a Python program; HTML table; Excel formula; Canva/Krita task description; App Inventor steps	Practical-based	20
TOTAL			**80**

9. Revision Schedule

Exam	Revision Period	Focus
PT1	June 22 – July 12, 2026	Chs 1–3: Number system conversions; Excel formulas; Krita tools and layers
Half Yearly	Sep 1–15, 2026	Chs 1–5: Full Digital & Cyber strand; Canva design; Google Apps; Test Sheet 1
PT2	Nov 24 – Dec 6, 2026	Chs 6–8: App Inventor; HTML5 lists/tables; MakeCode Arcade advanced blocks
Annual Exam	Feb 1 – Feb 28, 2027	Full syllabus: Chs 1–10 + Add-Ons; Python programs; AI concepts; Test Sheet 2; past papers; practical drills

10. Teacher Notes & Implementation Guidelines

10.1 Suggested Weekly Lab Structure

- Day 1: Introduce chapter concept; demo on teacher screen; class discussion
- Day 2: Guided practice — students follow along on their computers
- Day 3: Independent practical task from the chapter
- Day 4: Coding challenge or creative application task
- Day 5: Theory recap; quick quiz (5 questions); lab record update

10.2 Lab Record / Practical Notebook

- Each student maintains a Computer Science Practical Notebook
- Format for each session: Date, Chapter, Objective, Steps/Code, Output/Screenshot description, Conclusion
- Notebooks reviewed every two weeks; practical tasks assessed on accuracy, neatness, and understanding

10.3 Python Teaching Approach

- Use IDLE or any online Python interpreter (e.g., replit.com, trinket.io) if Python is not installed
- Grade 7 focus: conditions (if/elif/else) and loops (for, while) — build on Grade 6 introduction to Python
- Every Python program should be: written by hand first (pseudocode/flowchart), then typed, then tested
- Common errors to teach: indentation errors, syntax errors, logical errors — debugging is a core skill

10.4 AI Chapter Delivery Notes

- Ch 10 (Relate with AI) should be delivered as a discussion-heavy, activity-based chapter — not theory-driven
- Use Teachable Machine (teachablemachine.withgoogle.com) for hands-on ML model training
- AI ethics discussion: use real examples of bias in facial recognition, hiring algorithms, social media feeds
- Connect to Digital Citizenship chapter — responsible AI use and data privacy

10.5 Olympiad Preparation

- Olympiad questions are included in the Add-On section of the book
- Topics typically covered: number system conversions; Excel formulas; HTML tags; Python syntax; AI terminology
- Conduct timed practice sessions in February; use the Olympiad Add-On pages for practice papers

Mathematics Annual Academic Planner

Grade 7 | Academic Session 2026–27

1. Academic Overview

The Grade 7 Mathematics Annual Planner has been designed according to CBSE curriculum guidelines and aligned with NEP 2020 and NCF 2023. The planner emphasizes conceptual understanding, critical thinking, competency-based learning, experiential activities, and mathematical applications in daily life.

2. Prescribed Textbooks

- NCERT Mathematics Textbook — Grade 7
- Mathematics Practice Workbook — Grade 7
- Mathematics Lab Manual and Activity Book
- Competency-Based Question Bank for Grade 7 Mathematics

3. Examination Schedule

Exam	Term	Exam Dates	Marks	Weightage
PT 1	Term 1	13–24 July 2026	20	10%
Half Yearly	Term 1	16–28 September 2026	80	40%
PT 2	Term 2	7–18 December 2026	20	10%
Annual Exam	Term 2	1–8 March 2027	80	40%

4. Month-wise Annual Plan

Month	Chapters	Learning Outcomes	Activities	Assessment	Exam
April	Integers	Understanding operations on integers	Integer games	Worksheet	—
May	Fractions & Decimals	Application of fractions in daily life	Fraction activities	Quiz	—
June	Data Handling & Simple Equations	Data representation and equation solving	Survey activity	Revision	PT1 Prep
July	Lines & Angles	Angle properties and applications	Geometry drawing	PT1	13–24 July
August	Triangles & Congruence	Properties of triangles	Math lab activities	Notebook	—
September	Comparing Quantities	Profit, loss, discount concepts	Market survey	Half Yearly	16–28 Sept
October	Rational Numbers	Operations on rational numbers	Peer teaching	Class Test	—
November	Practical	Construction and	Construction	Project	—

	Geometry & Perimeter	mensuration	work		
December	Algebraic Expressions	Simplification and application	Activity sheet	PT2	7–18 Dec
January	Exponents & Powers	Scientific notation and patterns	Puzzle activities	Subject Enrichment	—
February	Symmetry & Visualising Shapes	Spatial understanding	Model making	Revision	Annual Prep
March	Complete Revision	Exam readiness	Sample papers	Annual Exam	1–8 March

5. NEP/NCF Competency Mapping

Competency	Focus Area	Implementation
Critical Thinking	Problem solving	Competency-based worksheets
Experiential Learning	Hands-on learning	Math lab activities
Logical Reasoning	Application-based questions	Real-life mathematics
Collaborative Learning	Peer interaction	Group projects
Digital Literacy	Technology integration	Interactive math tools

6. Assessment Plan

- Formative Assessments through quizzes, oral tests, activities, assignments, and notebook evaluation.
- Competency-based and application-oriented questions according to CBSE pattern.
- Math Lab Activities integrated for experiential learning.
- Periodic tests, Half-Yearly Examination, and Annual Examination according to school examination schedule.
- Project-based learning and subject enrichment activities integrated throughout the academic session.

7. Revision Schedule

Exam	Revision Period	Focus Areas
PT1	22 June – 12 July	Integers, Fractions, Data Handling
Half Yearly	1–15 September	Complete Term 1 syllabus
PT2	24 Nov – 6 Dec	Rational Numbers, Geometry, Algebra
Annual Exam	1–28 February	Complete syllabus revision

8. Teacher Guidelines

- Use activity-based and experiential teaching methods.
- Integrate competency-based and HOTS questions regularly.
- Encourage mental mathematics and logical reasoning activities.
- Use Mathematics Lab activities for concept clarity.
- Provide differentiated instruction according to learner needs.
- Conduct regular remediation and enrichment sessions.

Science — Grade 7 | Academic Year 2026–27

CBSE | NEP 2020 | NCF 2023 Aligned

1. Academic Overview

This annual syllabus has been designed for CBSE Grade 7 Science, aligned with NEP 2020 and NCF 2023. It covers all 12 chapters and 4 Beyond the Text interdisciplinary extension projects from the New Mylestone Science Coursebook (Parts A & B), along with a STEAM Module and AI Module. The plan builds on Grade 6 foundations, introducing more complex chemical, biological, physical, and earth science concepts through inquiry, hands-on experiments, and real-world application.

1.1 Prescribed Textbooks

- New Mylestone Science Coursebook — Grade 7 Part A (Chapters 1–6 + Beyond the Text 1 & 2) | Authors: Surbhi Mahajan, Bindu Sahdev | Publisher: S Chand School
- New Mylestone Science Coursebook — Grade 7 Part B (Chapters 7–12 + Beyond the Text 3 & 4 + STEAM + AI Module) | Authors: Surbhi Mahajan, Bindu Sahdev | Publisher: S Chand School
- New Mylestone Science Practice Book — Grade 7 | Publisher: S Chand School

1.2 Examination Schedule

Exam	Period	Date Range	Marks	Weightage
PT1	Term 1	July 13–15, 2026	20	10%
Half Yearly	Term 1 (End)	Sep 16–28, 2026	80	40%
PT2	Term 2	Dec 7–19, 2026	20	10%
Annual Exam	Term 2 (End)	Mar 1–9, 2027	80	40%

1.3 NEP / NCF Alignment Principles

- Inquiry-first: every chapter opens with curiosity-driven questions and real-world observations before formal concept delivery
- Hands-on experimentation: at least one experiment or activity per chapter; four Beyond the Text interdisciplinary projects across the year
- Competency-based assessment: questions target application, analysis, and evaluation — not just recall
- Interdisciplinary connect: chemistry linked to biology (digestion, photosynthesis), physics to daily life (circuits, heat, light, motion)
- Health & values integration: adolescence chapter explicitly supports personal development and health literacy (NCF SEL strand)
- STEAM and AI readiness: dedicated modules in Part B develop 21st-century skills

2. Month-by-Month Syllabus Plan

The plan maps each month to the chapter, key concepts, skills focus, suggested experiment or activity, and exam milestone. Teachers may adjust timing by 1–2 weeks for school events or holidays.

Month	Chapter	Key Concepts	Skills	Activity / Experiment	Exam
April 2026	Ch 1: The Ever-Evolving World of Science (Part A, p.7)	Science as a process; scientific revolution; contributions of Indian scientists (Aryabhata, C.V. Raman, etc.); science and society; scientific responsibility	Questioning; research; appreciating history of science	Timeline of major scientific discoveries; research on an Indian scientist	—
May 2026	Ch 2: Exploring Substances: Acidic, Basic, and Neutral (Part A, p.14)	Acids, bases, and neutral substances; natural indicators — litmus, turmeric, china rose; pH concept (intro); neutralisation; everyday examples of acids and bases	Experimentation; observation; using indicators; data recording	Testing household substances with turmeric/litmus; making a natural indicator; neutralisation demo	—
June 2026	Ch 3: Electricity: Circuits and their Components (Part A, p.33)	Electric circuit — components; conductors and insulators; series and parallel circuits; electric cell, bulb, switch; fuse and safety; LED vs conventional bulb	Circuit building; predicting; troubleshooting	Build series and parallel circuits with a battery kit; test conductors/insulators; design a room circuit	PT1 Revision (end June)
July 2026	Ch 4: The World of Metals and Non-metals (Part A, p.50) + Beyond the Text 1 (p.70)	Properties of metals — lustre, conductivity, malleability, ductility; non-metals; metalloids; reactivity; uses of metals and non-metals in everyday life; corrosion	Classification; property testing; real-life connect	Property testing lab (copper, iron, wood, sulphur); rust prevention experiment; Beyond the Text 1	PT1: July 13–15
August 2026	Ch 5: Changes Around Us: Physical and Chemical (Part A, p.72)	Physical vs chemical changes; reversible vs irreversible; signs of chemical change — gas, heat, light, colour, precipitate; rusting, burning, cooking, melting, evaporation	Observation; classification; experimental design	Classifying household changes; burning magnesium (demo); milk to curd (fermentation); reversible change experiments	—
September 2026	Ch 6: Adolescence: A Stage of Growth and Change (Part A, p.90) + Beyond the Text 2 (p.106)	Puberty — physical and emotional changes; hormones; reproductive system (basics); personal hygiene; nutrition during adolescence; myths and facts; sex vs gender	Self-awareness; critical thinking; health literacy	Growth timeline; myths vs facts activity on adolescence; nutritional needs chart; Beyond the Text 2	Half Yearly: Sep 16–28
October 2026	Ch 7: Heat Transfer in Nature (Part B, p.7)	Heat vs temperature; modes of heat transfer — conduction, convection, radiation; conductors and	Observation; experiment design; real-life application	Comparing heat conductivity of materials; convection current in water	—

Month	Chapter	Key Concepts	Skills	Activity / Experiment	Exam
		insulators of heat; applications in everyday life; land and sea breeze; greenhouse effect (intro)		demo; designing a thermos	
November 2026	Ch 8: Measurement of Time and Motion (Part B, p.25) + Beyond the Text 3 (p.40)	Measurement of time — units; clocks; simple pendulum; types of motion — uniform, non-uniform, circular, oscillatory; speed; distance-time graph; relative motion	Measuring; graphing; calculating speed; analysis	Pendulum experiment — count oscillations; plot distance-time graph; Beyond the Text 3	—
December 2026	Ch 9: Life Processes in Animals (Part B, p.42)	Nutrition — autotrophic vs heterotrophic; digestion in humans — organs and enzymes; absorption; respiration — aerobic and anaerobic; excretion; transportation (blood, heart intro)	Diagram labelling; comparing processes; critical thinking	Digestive system model; respiration in yeast (fermentation); comparing breathing rates	PT2: Dec 7–19
January 2027	Ch 10: Life Processes in Plants (Part B, p.61)	Photosynthesis — process, inputs, outputs, light reaction; transpiration; transport in plants — xylem and phloem; respiration in plants; plant nutrition; reproduction (intro)	Experiment design; observation; diagram drawing	Starch test in leaves (iodine); transpiration bag experiment; observing wilting and turgidity	—
February 2027	Ch 11: Light: Shadows and Reflections (Part B, p.77) + Ch 12: Earth, Moon, and the Sun (Part B, p.93) + Beyond the Text 4 (p.110) + STEAM + AI Module	Ch 11: Rectilinear propagation; shadows; reflection — laws, plane mirror, lateral inversion; Ch 12: Earth's rotation/revolution; seasons; moon phases; eclipses; tides; STEAM module; AI Module	Ray diagrams; observation; research; STEAM project; AI awareness	Mirror reflection lab; shadow length experiment; moon phase calendar; STEAM challenge; AI module activities; Annual exam prep	Annual Exam Prep
March 2027	Full Syllabus Revision — Chapters 1–12 (Parts A & B) + Beyond the Text 1–4 + STEAM + AI Module	Revision of all 12 chapters; concept maps; past paper practice; diagram revision	All integrated skills; exam technique	Mock tests; group revision; Q&A; diagram practice	Annual Exam: Mar 1–9, 2027

3. Chapter-wise Syllabus

All 12 chapters, 4 Beyond the Text extension projects, STEAM Module, and AI Module are listed below with part, month, key concepts, skills, and activities.

Ch.	Chapter	Part	Month	Key Concepts	Skills	Activity / Experiment
1	**The Ever-Evolving World of Science**	Part A	Apr	Science as a process; scientific revolution; Indian scientists; scientific responsibility	Research; timeline making	Timeline of discoveries; Indian scientist profile
2	**Exploring Substances: Acidic, Basic, and Neutral**	Part A	May	Acids; bases; neutrals; natural indicators; pH intro; neutralisation; everyday examples	Experimentation; observation	Household substance testing; natural indicator making
3	**Electricity: Circuits and their Components**	Part A	Jun	Circuit components; conductors/insulators; series and parallel circuits; fuse; LED	Circuit building; predicting	Build circuits; test materials; design room circuit
4	**The World of Metals and Non-metals**	Part A	Jul	Properties of metals/non-metals; metalloids; reactivity; corrosion; uses	Classification; property testing	Property testing lab; rust prevention experiment
BtT1	**Beyond the Text 1**	Part A	Jul	Interdisciplinary project — links Chs 1–4	Research; project	Project as per book (p.70)
5	**Changes Around Us: Physical and Chemical**	Part A	Aug	Physical vs chemical change; reversible/irreversible; signs of chemical change; examples	Observation; classification	Classify household changes; burning/fermentation demos
6	**Adolescence: A Stage of Growth and Change**	Part A	Sep	Puberty; hormones; reproductive system basics; hygiene; nutrition; myths and facts	Self-awareness; health literacy	Myths vs facts activity; nutritional needs chart
BtT2	**Beyond the Text 2**	Part A	Sep	Interdisciplinary project — links Chs 5–6	Research; project	Project as per book (p.106)
7	**Heat Transfer in Nature**	Part B	Oct	Heat vs temperature; conduction; convection; radiation; conductors/insulators; land/sea breeze; greenhouse effect intro	Observation; design	Heat conductivity comparison; convection demo; thermos design
8	**Measurement of Time and Motion**	Part B	Nov	Time units; pendulum; types of motion; uniform/non-uniform; speed; distance-time graph; relative motion	Measuring; graphing; calculating	Pendulum experiment; distance-time graph plotting
BtT3	**Beyond the Text 3**	Part B	Nov	Interdisciplinary project — links Chs 7–8	Research; project	Project as per book (p.40)
9	**Life Processes**	Part	Dec	Nutrition; digestion in	Diagram	Digestive system model;

Ch.	Chapter	Part	Month	Key Concepts	Skills	Activity / Experiment
	in Animals	B		humans; absorption; aerobic/anaerobic respiration; excretion; transportation intro	labelling; comparing	yeast fermentation experiment
10	**Life Processes in Plants**	Part B	Jan	Photosynthesis; transpiration; xylem/phloem; plant respiration; plant nutrition; reproduction intro	Observation; experiment design	Iodine starch test; transpiration bag; wilting observation
11	**Light: Shadows and Reflections**	Part B	Feb	Rectilinear propagation; shadows; reflection laws; plane mirror; lateral inversion	Ray diagrams; observation	Mirror reflection lab; shadow length activity
12	**Earth, Moon, and the Sun**	Part B	Feb	Earth's rotation/revolution; seasons; moon phases; solar/lunar eclipses; tides	Research; modelling	Moon phase calendar; eclipse model; ISRO connect
BtT4	**Beyond the Text 4**	Part B	Feb	Interdisciplinary project — links Chs 9–12	Research; project	Project as per book (p.110)
STEAM	**STEAM Module**	Part B	Feb	Integrated Science, Technology, Engineering, Art, Mathematics challenge	STEAM project skills	STEAM challenge project (book p.105)
AI	**AI Module**	Part B	Feb	AI applications; responsible use; machine learning basics	Digital awareness; critical thinking	AI module activities (book p.108)

4. Term-wise Syllabus Breakdown

4.1 Term 1 (April – September 2026)

Part A — Chapters 1–6

- Ch 1: The Ever-Evolving World of Science — science as process; Indian scientists; scientific responsibility
- Ch 2: Exploring Substances: Acidic, Basic, and Neutral — acids; bases; indicators; neutralisation; pH intro
- Ch 3: Electricity: Circuits and their Components — circuit components; series/parallel; conductors/insulators; fuse; LED
- Ch 4: The World of Metals and Non-metals — properties; metalloids; reactivity; corrosion; uses
- Beyond the Text 1 — interdisciplinary project linking Chs 1–4
- Ch 5: Changes Around Us: Physical and Chemical — physical vs chemical; reversible/irreversible; signs of chemical change
- Ch 6: Adolescence: A Stage of Growth and Change — puberty; hormones; hygiene; nutrition; myths and facts
- Beyond the Text 2 — interdisciplinary project linking Chs 5–6

Term 1 Examinations

- PT1 (July 13–15, 2026): Chapters 1–4 + Beyond the Text 1

- Half Yearly (Sep 16–28, 2026): Chapters 1–6 + Beyond the Text 1 & 2

4.2 Term 2 (October 2026 – March 2027)

Part B — Chapters 7–12 + STEAM + AI

- Ch 7: Heat Transfer in Nature — conduction; convection; radiation; conductors/insulators of heat; land/sea breeze; greenhouse effect
- Ch 8: Measurement of Time and Motion — time units; pendulum; motion types; speed; distance-time graph
- Beyond the Text 3 — interdisciplinary project linking Chs 7–8
- Ch 9: Life Processes in Animals — nutrition; human digestion; aerobic/anaerobic respiration; excretion; transportation intro
- Ch 10: Life Processes in Plants — photosynthesis; transpiration; xylem/phloem; plant respiration; reproduction intro
- Ch 11: Light: Shadows and Reflections — rectilinear propagation; shadows; laws of reflection; plane mirror; lateral inversion
- Ch 12: Earth, Moon, and the Sun — rotation/revolution; seasons; moon phases; eclipses; tides
- Beyond the Text 4 — interdisciplinary project linking Chs 9–12
- STEAM Module — integrated STEAM challenge project
- AI Module — AI applications; responsible use; machine learning basics

Term 2 Examinations

- PT2 (Dec 7–19, 2026): Chapters 7–9 + Beyond the Text 3
- Annual Exam (Mar 1–9, 2027): Full syllabus — Chapters 1–12 + Beyond the Text 1–4 + STEAM + AI Module

5. NEP 2020 / NCF 2023 Competency Mapping

The syllabus maps to NCF 2023's eight competency domains for Science at the Middle Stage (Grades 6–8). Grade 7 deepens and extends Grade 6 foundations across all domains.

NEP/NCF Competency	Focus Areas	Mapped to Chapters
Scientific Inquiry & Critical Thinking	Hypothesis; experiment design; observation; conclusion; evaluating evidence	All chapters; especially Chs 2, 3, 5, 7, 8
Chemical Literacy	Acids, bases, neutralisation; physical vs chemical changes; metals and non-metals	Chs 2, 4, 5
Health & Personal Development	Adolescence; nutrition; hygiene; reproductive health; emotional well-being	Ch 6 (Adolescence)
Energy & Physical Science	Electricity circuits; heat transfer; light; motion and measurement	Chs 3, 7, 8, 11
Life Sciences	Digestion; respiration; excretion in animals; photosynthesis; transpiration in plants	Chs 9, 10
Earth & Space Science	Earth's rotation/revolution; seasons; moon phases; eclipses; tides	Ch 12
Experiential & Hands-	Laboratory experiments; model making;	All chapters; Beyond the Text 1–4

NEP/NCF Competency	Focus Areas	Mapped to Chapters
on Learning	Beyond the Text projects; field observation	
Digital & STEAM Literacy	STEAM integration; AI awareness; responsible technology use	STEAM Module; AI Module (Part B)

6. Experiments & Activities List

Hands-on experiments are mandatory at Grade 7 level. At least one experiment per chapter should be conducted in class or as a supervised home experiment. Science observation notebooks are maintained for all experiments.

6.1 Term 1 Experiments (Part A)

- Ch 1 — Timeline of major scientific discoveries (ancient to modern); research profile of one Indian scientist (Aryabhata, C.V. Raman, J.C. Bose, APJ Abdul Kalam)
- Ch 2 — Testing household substances (lemon juice, soap, baking soda, vinegar, milk) using litmus and turmeric indicator; making china rose indicator; neutralisation of acid with base (demo)
- Ch 3 — Building series and parallel circuits using battery, bulb, wire, and switch; testing conductors and insulators; designing a simple room lighting circuit on paper
- Ch 4 — Property testing lab for copper, iron, sulphur, coal, and wood (lustre, conductivity, malleability test); rust prevention experiment (oiling vs exposed iron); Beyond the Text 1 project
- Ch 5 — Classify 10 household changes as physical or chemical; burning magnesium ribbon (teacher demo); milk to curd fermentation; comparing reversible changes (ice melting, paper folding)
- Ch 6 — Adolescence myths vs facts sorting activity; dietary needs chart for adolescents; growth timeline from birth to adulthood; Beyond the Text 2 project

6.2 Term 2 Experiments (Part B)

- Ch 7 — Comparing heat conductivity of metal, wood, and plastic rods; convection current in water (add a drop of ink to hot water); design a simple thermos using available materials
- Ch 8 — Pendulum experiment: count oscillations in 30 seconds; measure effect of length on time period; plot distance-time graph for a toy car/ball; Beyond the Text 3 project
- Ch 9 — Model of human digestive system using household materials; yeast fermentation (warm water + sugar + yeast to show anaerobic respiration); comparing resting vs active breathing rates
- Ch 10 — Iodine starch test on different leaves; transpiration bag experiment (polythene bag on plant stem); observing wilting (water-deprived plant) vs turgidity
- Ch 11 — Laws of reflection using a plane mirror and ray box / torch; observing lateral inversion of text in a mirror; shadow length experiment at different times of day
- Ch 12 — Moon phase calendar for one full month (draw daily observation); model of solar and lunar eclipse using torch, globe, and ball; research on ISRO moon/sun missions
- STEAM Module — STEAM challenge project as per book (p.105)
- AI Module — AI activity as per book (p.108); class discussion on AI in everyday life

7. Assessment & Evaluation Plan

Assessment combines CBSE's CCE framework with NEP 2020's holistic, competency-based evaluation. Formative assessment is ongoing; summative exams follow the school schedule.

7.1 Formative Assessment (Ongoing)

- Chapter-end exercises from Coursebook and Practice Book — after every chapter
- Science Observation Notebook — aim, materials, procedure, observation, result, conclusion for every experiment
- Weekly quick quiz — 5 questions from the current chapter (5 minutes)
- Concept map or diagram assignment — one per chapter
- Beyond the Text project assessment — research quality, creativity, accuracy, and presentation
- STEAM and AI module activities — assessed for collaboration, innovation, and communication

7.2 Summative Assessment

- PT1 (20 marks): Chapters 1–4 + Beyond the Text 1 — July 13–15, 2026
- Half Yearly (80 marks): Chapters 1–6 + Beyond the Text 1 & 2 — September 16–28, 2026
- PT2 (20 marks): Chapters 7–9 + Beyond the Text 3 — December 7–19, 2026
- Annual Exam (80 marks): Full syllabus — March 1–9, 2027

7.3 Suggested Question Paper Pattern (Half Yearly & Annual — 80 Marks)

Section	Content	Question Type	Marks
A — Very Short Answer	MCQ; fill in blanks; true/false; match the column; one-word answers	Objective	20
B — Short Answer	Define; explain; give reasons; differentiate; name the process	Short answer (2–3 marks)	25
C — Long Answer	Describe experiment; explain with diagram; application-based	Long answer (5 marks)	25
D — Diagram / Practical Based	Label diagrams; describe procedure; interpret data/graph	Diagram + short explanation	10
TOTAL			**80**

8. Revision Schedule

Exam	Revision Period	Focus
PT1	June 22 – July 12, 2026	Chs 1–4; science history; acids/bases; circuits; metals; Beyond the Text 1
Half Yearly	Sep 1–15, 2026	Chs 1–6; all Part A content; physical/chemical changes; adolescence; Beyond the Text 1 & 2
PT2	Nov 24 – Dec 6, 2026	Chs 7–9; heat transfer; time & motion; life processes in animals; Beyond the Text 3
Annual Exam	Feb 1 – Feb 28, 2027	Full syllabus: Chs 1–12 + Beyond the Text 1–4 + STEAM + AI; past papers; diagram practice

9. Teacher Notes & Implementation Guidelines

9.1 Suggested Weekly Class Structure

- Day 1: Introduce chapter with a warm-up question or real-world observation; read first concept
- Day 2: Continue concepts; diagram drawing or labelling; discussion
- Day 3: Hands-on experiment or activity
- Day 4: Coursebook exercises + Practice Book questions
- Day 5: Recap quiz; real-life connect; link to next chapter

9.2 Grade 7 Science Notebook

- Every student maintains a Science Observation Notebook throughout the year
- Format: Aim → Materials → Procedure → Observation → Result → Conclusion
- Diagrams in pencil with colour coding; notebooks reviewed fortnightly

9.3 Beyond the Text Projects

- Four projects across the year; assign at least 2 weeks before due date
- Can be done individually or in pairs; oral presentation preferred
- Assessed on: research quality, scientific accuracy, creativity, and presentation

9.4 Key Grade 7 Differentiators from Grade 6

- Chemistry deepened: acid-base chemistry, neutralisation, metals vs non-metals, and physical vs chemical changes go beyond Grade 6 materials classification
- Biology expanded: full human digestive system and plant photosynthesis processes; aerobic vs anaerobic respiration introduced
- Physics advanced: series vs parallel circuits, laws of reflection, speed calculations, distance-time graphs
- Adolescence chapter: requires sensitive, inclusive, and value-based delivery aligned with SEL principles in NCF 2023

9.5 Differentiation Strategies (NEP Inclusion)

- Advanced learners: design their own experiments; research extensions; additional application questions
- Learners needing support: visual concept cards; step-by-step experiment guides; sentence starters; peer buddy system
- All learners: multiple assessment modes — written, oral, practical, and project-based

This syllabus is subject to revision based on the school calendar, CBSE circulars, and instructional requirements.

Social Science — Grade 7
Academic Year 2026–27

1. Academic Overview

This Annual Syllabus Plan for Grade 7 Social Science has been designed according to CBSE guidelines, NEP 2020, and NCF 2023 principles. The syllabus integrates Geography, History, Civics, and Economics through competency-based and experiential learning.

1.1 Prescribed Textbooks

- Social Science Coursebook Grade 7 — Part A
- Social Science Coursebook Grade 7 — Part B
- Map Practice & Activity Book — Grade 7
- Integrated STEAM & AI Activities for Social Science

1.2 Examination Schedule

Exam	Period	Date Range	Marks	Weightage
PT1	Term 1	July 13–24, 2026	20	10%
Half Yearly	Term 1	Sep 16–28, 2026	80	40%
PT2	Term 2	Dec 7–18, 2026	20	10%
Annual Exam	Term 2	Mar 1–8, 2027	80	40%

2. Month-by-Month Syllabus Plan

Month	Coursebook Focus	Skills Focus	Activities	Assessment	Exam
April 2026	India & Geographical Diversity	Map reading & observation	Map marking	Quiz	—
May 2026	Weather Phenomenon & Climate	Climate analysis	Weather chart	Worksheet	—
June 2026	Formation of Early States	Historical thinking	Timeline activity	Revision	PT1 Prep
July 2026	From Kingdoms to Empires	Critical thinking	Empire comparison	PT1	July 13–24
August 2026	Emergence of Empires I & II	Historical analysis	Project work	Notebook	—
September 2026	The Gupta Empire	Cultural understanding	Art integration	Half Yearly	Sep 16–28
October 2026	Sacred Places & Beliefs	Cultural literacy	Heritage collage	Class Test	—
November 2026	Types of Governments	Democracy awareness	Mock parliament	Subject Enrichment	—
December 2026	Constitution of India	Constitutional values	Preamble recitation	PT2	Dec 7–18
January 2027	From Barter to Money	Economic literacy	Market survey	Project	—

February 2027	Markets Around Us + AI/STEAM	Entrepreneurship	Integrated activity	Revision	Annual Prep
March 2027	Full Revision	Exam readiness	Sample papers	Annual Exam	Mar 1–8

3. NEP 2020 / NCF 2023 Competency Mapping

Competency	Focus Areas	Mapped Activities
Critical Thinking	Historical and geographical analysis	Map work, discussions
Experiential Learning	Hands-on learning	Projects, surveys
Cultural Awareness	Heritage and traditions	Heritage collage
Digital Literacy	Technology integration	AI/STEAM module
Values & Citizenship	Democracy and constitutional values	Mock parliament

4. Assessment & Evaluation Plan

- Formative Assessment through quizzes, map work, notebook checking, and class participation.
- Project-based learning and subject enrichment activities integrated throughout the year.
- Periodic Tests according to the school examination schedule.
- Half-Yearly and Annual Examination based on competency-based questions.
- Art-integrated and experiential learning tasks aligned with NCF 2023.

5. Revision Schedule

Exam	Revision Period	Focus
PT1	June 22 – July 12	Units 1–4, map practice
Half Yearly	Sep 1 – Sep 15	History & Geography revision
PT2	Nov 24 – Dec 6	Civics & Economics revision
Annual Exam	Feb 1 – Feb 28	Complete syllabus revision

6. Teacher Notes & Implementation Guidelines

- Use map work and atlas practice regularly.
- Encourage discussion-based and inquiry-based learning.
- Promote experiential learning through projects and presentations.
- Integrate AI and STEAM activities wherever applicable.
- Focus on competency-based and application-oriented assessment.

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Vocational Education Curriculum | CBSE | NEP 2020 | NCF 2023

S.No.	Unit / Topic	Skills Developed	Activities	Learning Outcomes
1	Introduction to Vocational Skills	Communication, teamwork	Group discussion	Understands importance of vocational education
2	Kitchen Gardening	Plant care, observation	Grow vegetables	Develops environmental awareness
3	Basic Carpentry	Measurement, creativity	Make simple objects	Learns basic woodworking skills
4	Handicraft and Art Work	Designing, creativity	Craft making	Enhances artistic skills
5	Entrepreneurship Basics	Leadership, planning	Business idea activity	Develops entrepreneurial thinking
6	Digital Literacy	Computer awareness	Internet practice	Uses digital tools responsibly
7	Financial Literacy	Money management	Budget preparation	Understands saving and spending
8	Health and Hygiene	Personal care	Health chart preparation	Practices healthy habits
9	Recycling and Waste Management	Problem-solving	Best out of waste	Promotes sustainable living
10	First Aid and Safety	Emergency response	First aid demonstration	Learns safety measures
11	Organic Farming	Agricultural skills	Composting activity	Understands eco-friendly farming
12	Community Service	Social responsibility	Community visit	Develops empathy and cooperation

Teaching Methodology

- Experiential and activity-based learning
- Skill-oriented teaching approach
- Collaborative and project-based activities
- Integration of vocational and life skills
- Critical thinking and problem-solving activities
- Continuous and competency-based assessment

Assessment Structure

Assessment Type	Marks	Criteria
Class Participation	20	Active involvement
Project Work	20	Creativity and innovation
Practical Activities	20	Skill demonstration
Portfolio	20	Regular task completion
Periodic Assessment	20	Concept understanding

Prepared according to CBSE guidelines, NEP 2020, and NCF 2023 competency-based education framework.