

# VSOS SECONDARY PROGRAM SYLLABUS

## TABLE OF CONTENTS

<b>1.0 VSOS 10TH Syllabus.....</b>	<b>8</b>
1.1 Introduction.....	8
1.2 Vision and Purpose.....	8
1.3 Eligibility Criteria – Vocational Skill Open Schooling (VSOS) Board.....	8
1.4 Curriculum Framework.....	9
1.5 Vocational Subjects Offered.....	9
1.6 Pedagogy & Learning Approach.....	10
1.7 Assessment & Evaluation.....	10
1.8 Certification and Credit Recognition.....	10
1.9 Technology Integration.....	10
1.10 Inclusion & Accessibility.....	11
1.11 Indian Knowledge Systems (IKS).....	11
1.12 Implementation Roadmap.....	11
<b>2.0 Mathematics.....</b>	<b>12</b>
2.1 Curriculum Objectives (NCF 2005 aligned):.....	12
2.2 Units & Content.....	12
2.3 Assessment Pattern:.....	13
2.4 Unit-Wise Syllabus Breakdown.....	13
2.4.1 Unit 1: Numbers and Number Systems (12 Hours).....	13
2.4.2 Unit 2: Algebraic Expressions & Equations (16 Hours).....	13
2.4.3 Unit 3: Geometry – Lines, Triangles, Circles (18 Hours).....	14
2.4.4 Unit 4: Mensuration – Area and Volume (14 Hours).....	14
2.4.5 Unit 5: Data Handling – Statistics & Probability (14 Hours).....	14
2.4.6 Unit 6: Business Mathematics (14 Hours).....	15
2.4.7 Unit 7: Coordinate Geometry (10 Hours).....	15
2.4.8 Unit 8: Introduction to Trigonometry (10 Hours).....	15
2.4.9 Project / Assignment / Practice Portfolio (12 Hours).....	15
2.5 Credit Outcome:.....	15
<b>3.0 English.....</b>	<b>16</b>
3.1 Curriculum Objectives (NCF 2005 aligned):.....	16
3.2 Units, Topics & Content.....	17
3.3 Assessment Pattern:.....	18
3.4 Unit-Wise Syllabus Breakdown.....	18
3.4.1 Unit 1: Listening Skills (12 Hours).....	18
3.4.2 Unit 2: Speaking Skills (16 Hours).....	18
3.4.3 Unit 3: Reading Comprehension (18 Hours).....	19
3.4.4 Unit 4: Writing Skills – Basic (16 Hours).....	19

3.4.5 Unit 5: Grammar and Sentence Formation (20 Hours).....	19
3.4.6 Unit 6: Vocabulary and Word Usage (14 Hours).....	20
3.4.7 Unit 7: Workplace Communication (14 Hours).....	20
3.4.8 Unit 8: Project / Assignment / Portfolio (10 Hours).....	20
3.5 Credit Outcome:.....	20
<b>4.0 Science.....</b>	<b>21</b>
4.1 Curriculum Objectives (NCF 2005 aligned):.....	21
4.2 Unit-Wise Syllabus.....	22
4.3 Assessment Pattern.....	23
4.4 Unit-Wise Syllabus Breakdown.....	23
4.4.1 Unit 1: Food – Sources and Components (12 Hours).....	23
4.4.2 Unit 2: Materials and Their Properties (16 Hours).....	23
4.4.3 Unit 3: The World of Living (18 Hours).....	24
4.4.4 Unit 4: Motion, Force, and Work (14 Hours).....	24
4.4.5 Unit 5: Heat, Light, and Sound (14 Hours).....	24
4.4.6 Unit 6: Our Environment and Natural Resources (14 Hours).....	25
4.4.7 Unit 7: Electricity and Magnetism (10 Hours).....	25
4.4.8 Unit 8: Project / Experimentation / Portfolio (12 Hours).....	25
4.5 Credit Outcome:.....	25
<b>5.0 Social Science.....</b>	<b>26</b>
5.1 Curriculum Objectives (NCF 2005 aligned):.....	26
5.2 Unit-Wise Syllabus.....	27
5.3 Assessment Pattern:.....	28
5.4.1 Unit 1: History – Ancient to Modern India (18 Hours).....	28
5.4.2 Unit 2: Geography – Resources and Environment (16 Hours).....	28
5.4.3 Unit 3: Political Science – Democracy and Government (18 Hours).....	29
5.4.4 Unit 4: Economics – Understanding the Economy (14 Hours).....	29
5.4.5 Unit 5: Social Change and Gender Equality (14 Hours).....	29
5.4.6 Unit 6: Contemporary Issues and Citizenship (14 Hours).....	30
5.4.7 Unit 7: Projects / Assignments / Portfolio (12 Hours).....	30
5.5 Credit Outcome:.....	30
<b>6.0 Indian Knowledge Systems (IKS).....</b>	<b>31</b>
6.1 Curriculum Objectives (NCF 2005 aligned):.....	31
6.2 Unit-Wise Syllabus.....	32
6.3 Assessment Pattern:.....	33
6.4 Unit-Wise Syllabus Breakdown.....	33
6.4.1 Unit 1: Foundations of Indian Knowledge (16 Hours).....	33
6.4.2 Unit 2: Sciences in Ancient India (18 Hours).....	33
6.4.3 Unit 3: Language and Literature (16 Hours).....	34
6.4.4 Unit 4: Art, Architecture and Aesthetics (14 Hours).....	34
6.4.5 Unit 5: Ecology and Agriculture (14 Hours).....	34
6.4.6 Unit 6: Philosophy, Ethics and Logic (14 Hours).....	35
6.4.7 Unit 7: Applied IKS and Modern Relevance (16 Hours).....	35
6.4.8 Unit 8: Project / Assignment / Portfolio (12 Hours).....	35

<b>6.5 Credit Outcome:</b> .....	<b>35</b>
<b>7.0 VOCATIONAL.....</b>	<b>36</b>
<b>7.1 Curriculum Objectives (NCF 2005 aligned):</b> .....	<b>36</b>
<b>7.2 Theory: Unit-Wise Breakdown (120 Hours).....</b>	<b>37</b>
<b>7.3 Practical: Unit-Wise Tasks (120 Hours).....</b>	<b>38</b>
<b>7.4 Assessment Structure.....</b>	<b>38</b>
<b>7.4 Unit-Wise Syllabus Breakdown.....</b>	<b>39</b>
<b>7.4.1 Theory – Unit Wise (120 Hours).....</b>	<b>39</b>
<b>7.4.1.1 Unit 1: Introduction to Electrical Trade (12 Hours).....</b>	<b>39</b>
<b>7.4.1.2 Unit 2: Tools and Equipment (16 Hours).....</b>	<b>39</b>
<b>7.4.1.3 Unit 3: Basic Electrical Concepts (20 Hours).....</b>	<b>39</b>
<b>7.4.4 Unit 4: Electrical Wiring Systems (20 Hours).....</b>	<b>40</b>
<b>7.4.1.5 Unit 5: Measurement and Testing (16 Hours).....</b>	<b>40</b>
<b>7.4.1.6 Unit 6: Electrical Safety and First Aid (16 Hours).....</b>	<b>40</b>
<b>7.4.1.7 Unit 7: Employability &amp; Work Ethics (20 Hours).....</b>	<b>40</b>
<b>7.4.2 Practical – Unit Wise (120 Hours).....</b>	<b>41</b>
<b>7.4.2.1 Unit 1: Tool Handling and Setup (20 Hours).....</b>	<b>41</b>
<b>7.4.2.2 Unit 2: Wiring Exercises (24 Hours).....</b>	<b>41</b>
<b>7.4.2.3 Unit 3: Electrical Testing and Measurement (20 Hours).....</b>	<b>41</b>
<b>7.4.2.4 Unit 4: Project Work (20 Hours).....</b>	<b>41</b>
<b>7.4.2.5 Unit 5: Safety Simulation &amp; First Aid Practice (16 Hours).....</b>	<b>42</b>
<b>7.4.2.6 Unit 6: Internship / Industry Exposure (20 Hours).....</b>	<b>42</b>
<b>7.5 Outcome.....</b>	<b>42</b>
<b>8.0 Employability &amp; Work Education.....</b>	<b>43</b>
<b>8.1 Curriculum Objectives (NCF 2005 aligned):</b> .....	<b>43</b>
<b>8.2 Unit-Wise Syllabus.....</b>	<b>44</b>
<b>8.3 Assessment Pattern:.....</b>	<b>45</b>
<b>8.4 Unit-Wise Syllabus Breakdown.....</b>	<b>45</b>
<b>8.4.1 Unit 1: Understanding the World of Work (16 Hours).....</b>	<b>45</b>
<b>8.4.2 Unit 2: Work Ethics and Attitudes (16 Hours).....</b>	<b>45</b>
<b>8.4.3 Unit 3: Career Planning and Goal Setting (14 Hours).....</b>	<b>45</b>
<b>8.4.4 Unit 4: Entrepreneurship Skills (16 Hours).....</b>	<b>46</b>
<b>8.4.5 Unit 5: Communication in the Workplace (16 Hours).....</b>	<b>46</b>
<b>8.4.6 Unit 6: Financial Literacy (14 Hours).....</b>	<b>46</b>
<b>8.4.7 Unit 7: Work-Based Learning Projects (14 Hours).....</b>	<b>46</b>
<b>8.4.8 Unit 8: Portfolio &amp; Practical Assignments (14 Hours).....</b>	<b>47</b>
<b>8.5 Credit Outcome:.....</b>	<b>47</b>
<b>9.0 Digital Literacy / ICT.....</b>	<b>48</b>
<b>9.1 Curriculum Objectives (NCF 2005 aligned):</b> .....	<b>48</b>
<b>9.2 Unit-Wise Syllabus.....</b>	<b>49</b>
<b>9.3 Assessment Pattern:.....</b>	<b>49</b>
<b>9.4 Unit-Wise Syllabus Breakdown.....</b>	<b>50</b>
<b>9.4.1 Unit 1: Introduction to ICT (10 Hours).....</b>	<b>50</b>
<b>9.4.2 Unit 2: Operating System Basics (10 Hours).....</b>	<b>50</b>

9.4.3 Unit 3: Word Processing and Spreadsheets (10 Hours).....	50
9.4.4 Unit 4: Internet and Email (10 Hours).....	50
9.4.5 Unit 5: Cyber Safety and Digital Etiquette (10 Hours).....	51
9.4.6 Unit 6: Practical Applications (10 Hours).....	51
9.5 Credit Outcome:.....	51
<b>10.0 Life Skills, Health &amp; Values.....</b>	<b>52</b>
10.1 Curriculum Objectives (NCF 2005 aligned):.....	52
10.2 Unit-Wise Syllabus.....	53
10.3 Assessment Pattern:.....	53
10.4 Unit-Wise Syllabus Breakdown.....	54
10.4.1 Unit 1: Introduction to Life Skills (10 Hours).....	54
10.4.2 Unit 2: Health and Hygiene (10 Hours).....	54
10.4.3 Unit 3: Mental and Emotional Well-being (10 Hours).....	54
10.4.4 Unit 4: Values and Ethics (10 Hours).....	54
10.4.5 Unit 5: Relationships and Social Skills (10 Hours).....	55
10.4.6 Unit 6: Safety and First Aid (10 Hours).....	55
10.5 Credit Outcome:.....	55
<b>Regional Languages.....</b>	<b>56</b>
<b>11.0 Assamese.....</b>	<b>57</b>
11.1 Curriculum Objectives (NCF 2005 aligned):.....	57
11.2 Unit-Wise Syllabus.....	58
11.3 Unit-Wise Syllabus Breakdown.....	59
11.3.1 Unit 1: Listening Skills (12 Hours).....	59
11.3.2 Unit 2: Speaking Skills (16 Hours).....	59
11.3.3 Unit 3: Reading Comprehension (18 Hours).....	59
11.3.4 Unit 4: Writing Skills – Basic (16 Hours).....	59
11.3.5 Unit 5: Grammar and Language Structure (20 Hours).....	60
11.3.6 Unit 6: Vocabulary & Idiomatic Usage (14 Hours).....	60
11.3.7 Unit 7: Functional and Creative Assamese (14 Hours).....	60
11.3.8 Unit 8: Project / Portfolio (10 Hours).....	60
11.4 Assessment Pattern.....	61
11.5 Credit Outcome.....	61
<b>12.0 Bengali.....</b>	<b>62</b>
12.1 Curriculum Objectives (NCF 2005 aligned):.....	62
12.2 Unit-Wise Syllabus Breakdown.....	63
12.3 Unit-Wise Syllabus Breakdown.....	64
12.3.1 Unit 1: Listening Skills (12 Hours).....	64
12.3.2 Unit 2: Speaking Skills (16 Hours).....	64
12.3.3 Unit 3: Reading Comprehension (18 Hours).....	64
12.3.4 Unit 4: Writing Skills – Basic (16 Hours).....	65
12.3.5 Unit 5: Grammar and Sentence Formation (20 Hours).....	65
12.3.6 Unit 6: Vocabulary and Idiomatic Usage (14 Hours).....	65
12.3.7 Unit 7: Functional Bengali (14 Hours).....	65
12.3.8 Unit 8: Project / Portfolio (10 Hours).....	66

<b>12.4 Assessment Pattern.....</b>	<b>66</b>
<b>12.5 Credit Outcome.....</b>	<b>66</b>
<b>13.0 Tamil.....</b>	<b>67</b>
<b>13.1 Curriculum Objectives (NCF 2005 aligned):.....</b>	<b>67</b>
<b>13.2 Unit-Wise Syllabus Breakdown.....</b>	<b>68</b>
<b>13.3 Unit-Wise Syllabus Breakdown.....</b>	<b>69</b>
<b>13.3.1 Unit 1: Listening Skills (12 Hours).....</b>	<b>69</b>
<b>13.3.2 Unit 2: Speaking Skills (16 Hours).....</b>	<b>69</b>
<b>13.3.3 Unit 3: Reading Comprehension (18 Hours).....</b>	<b>69</b>
<b>13.3.4 Unit 4: Writing Skills – Basic (16 Hours).....</b>	<b>69</b>
<b>13.3.5 Unit 5: Grammar and Sentence Structure (20 Hours).....</b>	<b>70</b>
<b>13.3.6 Unit 6: Vocabulary &amp; Idiomatic Usage (14 Hours).....</b>	<b>70</b>
<b>13.3.7 Unit 7: Functional Tamil (14 Hours).....</b>	<b>70</b>
<b>13.3.8 Unit 8: Project / Portfolio (10 Hours).....</b>	<b>71</b>
<b>13.4 Assessment Pattern.....</b>	<b>71</b>
<b>13.5 Learning Outcome.....</b>	<b>71</b>
<b>14.0 Telugu.....</b>	<b>72</b>
<b>14.1 Curriculum Objectives (NCF 2005 aligned):.....</b>	<b>72</b>
<b>14.2 Unit-Wise Syllabus Breakdown.....</b>	<b>73</b>
<b>14.3 Unit-Wise Syllabus Breakdown.....</b>	<b>74</b>
<b>14.3.1 Unit 1: Listening Skills (12 Hours).....</b>	<b>74</b>
<b>14.3.2 Unit 2: Speaking Skills (16 Hours).....</b>	<b>74</b>
<b>14.3.3 Unit 3: Reading Comprehension (18 Hours).....</b>	<b>74</b>
<b>14.3.4 Unit 4: Writing Skills – Basic (16 Hours).....</b>	<b>75</b>
<b>14.3.5 Unit 5: Grammar and Sentence Structure (20 Hours).....</b>	<b>75</b>
<b>14.3.6 Unit 6: Vocabulary &amp; Idiomatic Usage (14 Hours).....</b>	<b>75</b>
<b>14.3.7 Unit 7: Functional Telugu (14 Hours).....</b>	<b>76</b>
<b>14.3.8 Unit 8: Project / Portfolio (10 Hours).....</b>	<b>76</b>
<b>14.4 Assessment Pattern.....</b>	<b>76</b>
<b>14.5 Learning Outcome.....</b>	<b>76</b>
<b>15.0 Hindi.....</b>	<b>77</b>
<b>15.1 Curriculum Objectives (NCF 2005 aligned):.....</b>	<b>77</b>
<b>15.2 Unit-Wise Syllabus.....</b>	<b>78</b>
<b>15.3 Unit-Wise Syllabus Breakdown.....</b>	<b>79</b>
<b>15.3.1 Unit 1: Listening Skills (12 Hours).....</b>	<b>79</b>
<b>15.3.2 Unit 2: Speaking Skills (16 Hours).....</b>	<b>79</b>
<b>15.3.3 Unit 3: Reading Comprehension (18 Hours).....</b>	<b>80</b>
<b>15.3.4 Unit 4: Writing Skills – Basic (16 Hours).....</b>	<b>80</b>
<b>15.3.5 Unit 5: Grammar and Sentence Structure (20 Hours).....</b>	<b>80</b>
<b>15.3.6 Unit 6: Vocabulary &amp; Idiomatic Usage (14 Hours).....</b>	<b>81</b>
<b>15.3.7 Unit 7: Functional Hindi (14 Hours).....</b>	<b>81</b>
<b>15.3.8 Unit 8: Project / Portfolio (10 Hours).....</b>	<b>81</b>
<b>15.4 Assessment Pattern.....</b>	<b>81</b>
<b>15.5 Learning Outcome.....</b>	<b>82</b>

<b>16.0 Kannada.....</b>	<b>83</b>
<b>16.1 Curriculum Objectives (Aligned with NCF 2005):.....</b>	<b>83</b>
<b>16.2 Unit-Wise Syllabus.....</b>	<b>84</b>
<b>16.3 Unit-Wise Syllabus Breakdown.....</b>	<b>85</b>
<b>16.3.1 Unit 1: Listening Skills (12 Hours).....</b>	<b>85</b>
<b>16.3.2 Unit 2: Speaking Skills (16 Hours).....</b>	<b>85</b>
<b>16.3.3 Unit 3: Reading Comprehension (18 Hours).....</b>	<b>85</b>
<b>16.3.4 Unit 4: Writing Skills – Basic (16 Hours).....</b>	<b>86</b>
<b>16.3.5 Unit 5: Grammar and Sentence Structure (20 Hours).....</b>	<b>86</b>
<b>16.3.6 Unit 6: Vocabulary and Idiomatic Usage (14 Hours).....</b>	<b>86</b>
<b>16.3.7 Unit 7: Functional Kannada (14 Hours).....</b>	<b>86</b>
<b>16.3.8 Unit 8: Project / Portfolio (10 Hours).....</b>	<b>87</b>
<b>16.4 Assessment Pattern.....</b>	<b>87</b>
<b>16.5 Learning Outcome.....</b>	<b>87</b>
<b>17.0 Malayalam.....</b>	<b>88</b>
<b>17.1 Curriculum Objectives (NCF 2005 aligned):.....</b>	<b>88</b>
<b>17.2 Unit-Wise Syllabus.....</b>	<b>89</b>
<b>17.3 Unit-Wise Syllabus Breakdown.....</b>	<b>90</b>
<b>17.3.1 Unit 1: Listening Skills (12 Hours).....</b>	<b>90</b>
<b>17.3.2 Unit 2: Speaking Skills (16 Hours).....</b>	<b>90</b>
<b>17.3.3 Unit 3: Reading Comprehension (18 Hours).....</b>	<b>90</b>
<b>17.3.4 Unit 4: Writing Skills – Basic (16 Hours).....</b>	<b>91</b>
<b>17.3.5 Unit 5: Grammar and Sentence Structure (20 Hours).....</b>	<b>91</b>
<b>17.3.6 Unit 6: Vocabulary and Idiomatic Usage (14 Hours).....</b>	<b>91</b>
<b>17.3.7 Unit 7: Functional Malayalam (14 Hours).....</b>	<b>92</b>
<b>17.3.8 Unit 8: Project / Portfolio (10 Hours).....</b>	<b>92</b>
<b>17.4 Assessment Pattern.....</b>	<b>92</b>
<b>17.5 Learning Outcome.....</b>	<b>92</b>
<b>18.0 Marathi.....</b>	<b>93</b>
<b>18.1 Curriculum Objectives (Aligned with NCF 2005):.....</b>	<b>93</b>
<b>18.2 Unit-Wise Syllabus Breakdown.....</b>	<b>94</b>
<b>18.3 Unit-Wise Syllabus Breakdown.....</b>	<b>95</b>
<b>18.3.1 Unit 1: Listening Skills (12 Hours).....</b>	<b>95</b>
<b>18.3.2 Unit 2: Speaking Skills (16 Hours).....</b>	<b>95</b>
<b>18.3.3 Unit 3: Reading Comprehension (18 Hours).....</b>	<b>95</b>
<b>18.3.4 Unit 4: Writing Skills – Basic (16 Hours).....</b>	<b>96</b>
<b>18.3.5 Unit 5: Grammar and Sentence Structure (20 Hours).....</b>	<b>96</b>
<b>18.3.6 Unit 6: Vocabulary &amp; Idiomatic Usage (14 Hours).....</b>	<b>96</b>
<b>18.3.7 Unit 7: Functional Marathi (14 Hours).....</b>	<b>97</b>
<b>18.3.8 Unit 8: Project / Portfolio (10 Hours).....</b>	<b>97</b>
<b>18.4 Assessment Pattern.....</b>	<b>97</b>
<b>18.5 Learning Outcome.....</b>	<b>97</b>

# **1.0 VSOS 10TH Syllabus**

## **1.1 Introduction**

Vocational Skill Open Schooling (VSOS) is an inclusive, learner-centric education board structured around the principles of the National Curriculum Framework (NCF) 2005 and National Credit Framework (NCFR) 2023. Our mission is to provide academic equivalency, flexibility, and integrated vocational learning opportunities to learners from all walks of life, especially school dropouts, rural youth, and working learners.

## **1.2 Vision and Purpose**

1. To democratize secondary-level education with a vocational and skill-based approach.
2. To make learners competent in academic knowledge and job-oriented skills.
3. To allow seamless credit mobility through the ABC (Academic Bank of Credits) system.
4. To support learners in continuing lifelong learning or entering the job market directly.

## **1.3 Eligibility Criteria – Vocational Skill Open Schooling (VSOS) Board**

### **Secondary Level (Class 10th)**

1. **Minimum Age:** 14 years as on 1st July of the academic year.
2. **Educational Qualification:**
  1. Completion of Class 8 from a recognized board/school.
  2. Self-certification allowed for learners who have dropped out after Class 8.
3. **Documents Required:**
  1. Age proof (Birth Certificate / School Leaving Certificate / Aadhaar)
  2. Address proof

- Recent passport-sized photographs

## 1.4 Curriculum Framework

The VSOS Secondary Curriculum follows a modular format comprising academic, vocational, and practical components, credit-mapped to NCRF Level 3.

Learning Component	Hours	Credit	NCRF Level	Mode
Language 1 (Regional)	120	4	Level 3	Theory + Oral
Language 2 (English)	120	4	Level 3	Theory + Project
Mathematics	120	4	Level 3	Theory + Lab
Science	120	4	Level 3	Theory + Lab
Social Science	120	4	Level 3	Theory + Project
Indian Knowledge Systems (IKS)	120	4	Level 3	Theory + Practice
Vocational Subject (Core)	240	8	Level 3–4	Practical + Field
Employability & Work Education	120	4	Level 3	Skill Project
Digital Literacy / ICT	60	2	Level 3	Practical
Life Skills, Health & Values	60	2	Level 3	Workshop

**Total: 1260 Hours | 40 Credits**

## 1.5 Vocational Subjects Offered

Each student must choose one core vocational stream. Options include:

- Electrician & Wiring Assistant
- Agriculture Operations
- Retail & Sales Assistant
- Beauty & Wellness
- Data Entry & Digital Office
- Garment Construction
- Food Processing

## 8. Solar Panel Technician

Each stream includes:

1. 120 Hours Theory (4 credits)
2. 120 Hours Practical + Internship (4 credits)

## 1.6 Pedagogy & Learning Approach

Following NCF 2005, our learning methodology emphasizes:

1. Constructivist and learner-led teaching.
2. Multilingual resources.
3. Integration of environment, values, health and work education.
4. Activity and project-based learning with real-life examples.

## 1.7 Assessment & Evaluation

As per NCERF and NCF principles:

1. Continuous and Comprehensive Evaluation (CCE)
2. Modular exams with flexibility
3. Portfolio-based assessments
4. Practical and fieldwork evaluations
5. Recognition of Prior Learning (RPL) for informal learners

## 1.8 Certification and Credit Recognition

Upon successful completion, learners are awarded:

1. **VSOS Secondary School Certificate (Skill Integrated)**
2. NCERF Level 3 Equivalency
3. Credits stored in Academic Bank of Credits (ABC)
4. Eligibility for lateral mobility to Senior Secondary/ITI/Polytechnic

## 1.9 Technology Integration

1. AI-powered chatbot for 24x7 learning support
2. Online and offline learning platforms
3. Video modules, simulations, and hybrid classes

#### 4. Open Educational Resources (OER)

### **1.10 Inclusion & Accessibility**

1. Flexible admission and examination policies
2. Language and community contextualized content
3. Mobile learning units and rural facilitation centers
4. Special support for differently-abled learners

### **1.11 Indian Knowledge Systems (IKS)**

IKS is integrated as a core academic subject in VSOS, aligned with NCF 2005's emphasis on heritage education and NCRF 2023's vision for holistic, rooted learning. The course includes:

1. Indian philosophical traditions, logic, and sciences
2. Ayurveda, Yoga, Metallurgy, and Astronomy
3. Sanskrit as a source of scientific and literary knowledge
4. Temple architecture, math in mandalas, and Vedic systems
5. Local wisdom, folk knowledge, and regional practices
6. Interdisciplinary project work on Bharatiya contributions to global science

**Assessment:** Portfolio, presentations, community research, and project-based evaluations.

### **1.12 Implementation Roadmap**

- Phase-wise district level onboarding of study centers
- Public-private partnership model for skill delivery
- Collaboration with industry and MSMEs for internships
- Academic partnerships with institutions for mentorship

## 2.0 Mathematics

**Subject:** Mathematics

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCDF Level:** 3

### 2.1 Curriculum Objectives (NCF 2005 aligned):

1. Develop logical reasoning, abstract thinking, and problem-solving abilities.
2. Cultivate appreciation for the historical, aesthetic, and cultural aspects of Mathematics.
3. Enable application of mathematics to real-life and vocational contexts.
4. Promote exploration and use of multiple strategies in problem-solving.
5. Build foundational concepts for further study or job-readiness in trades like engineering, accounting, and data handling.

### 2.2 Units & Content

Unit No.	Topics	Hours	NCDF Element
1	Numbers and Number Systems	12	Foundational Numeracy
2	Algebraic Expressions & Equations	16	Logical Reasoning & Abstraction
3	Geometry: Lines, Triangles, Circles	18	Spatial Understanding
4	Mensuration: Area, Surface Area, Volume	14	Measurement Literacy
5	Data Handling: Statistics & Probability	14	Data Literacy
6	Business Mathematics: Percentage, SI, CI	14	Functional Math/Commerce
7	Coordinate Geometry	10	Applied Math
8	Introduction to Trigonometry	10	Technical Math Foundation

	<b>Project / Assignment / Practice Portfolio</b>	<b>12</b>	Integrated Evaluation
--	--	-----------	-----------------------

## **2.3 Assessment Pattern:**

1. Internal Assignment: 20% (Project, workbook, class task)
2. Written Examination: 60% (2-hour paper)
3. Practical/Portfolio/Skill Lab: 20% (field tasks or simulation-based tasks)

## **2.4 Unit-Wise Syllabus Breakdown**

### **2.4.1 Unit 1: Numbers and Number Systems (12 Hours)**

1. Natural Numbers, Whole Numbers, Integers
2. Rational and Irrational Numbers
3. Real Number System
4. HCF and LCM
5. Laws of Exponents
6. Decimal Representation

### **2.4.2 Unit 2: Algebraic Expressions & Equations (16 Hours)**

1. Introduction to Variables and Constants
2. Types of Algebraic Expressions
3. Operations on Polynomials
4. Factorization Techniques
5. Linear Equations in One Variable
6. Applications in Daily Life

### **2.4.3 Unit 3: Geometry – Lines, Triangles, Circles (18 Hours)**

1. Lines, Angles and Their Properties
2. Types of Triangles and Properties
3. Congruence of Triangles
4. Properties of Circles
5. Construction and Tangents

### **2.4.4 Unit 4: Mensuration – Area and Volume (14 Hours)**

1. Perimeter and Area of 2D Shapes
2. Surface Area of Cube, Cuboid, Cylinder, Cone, Sphere
3. Volume and Capacity
4. Application Problems

### **2.4.5 Unit 5: Data Handling – Statistics & Probability (14 Hours)**

1. Collection and Presentation of Data
2. Mean, Median, Mode
3. Bar Graphs and Pie Charts
4. Introduction to Probability
5. Simple Experiments and Outcomes

#### **2.4.6 Unit 6: Business Mathematics (14 Hours)**

1. Percentages, Profit & Loss, Discounts
2. Simple and Compound Interest
3. Unitary Method
4. Budgeting and Bill Calculations
5. Commercial Arithmetic in Real Life

#### **2.4.7 Unit 7: Coordinate Geometry (10 Hours)**

1. Cartesian Plane and Coordinates
2. Distance and Midpoint Formula
3. Area of Triangle using Coordinates

#### **2.4.8 Unit 8: Introduction to Trigonometry (10 Hours)**

1. Trigonometric Ratios ( $\sin$ ,  $\cos$ ,  $\tan$ )
2. Trigonometric Values of Standard Angles
3. Simple Applications – Heights and Distances

#### **2.4.9 Project / Assignment / Practice Portfolio (12 Hours)**

1. Activities:
2. Geometry in Architecture
3. Household Budgeting
4. Data Collection and Analysis (local survey)

### **2.5 Credit Outcome:**

Learner demonstrates basic proficiency in mathematical reasoning, can perform quantitative tasks in daily life and work settings, and is ready for Level 4 vocational or academic programs in STEM or business pathways.

## **3.0 English**

**Subject:** English

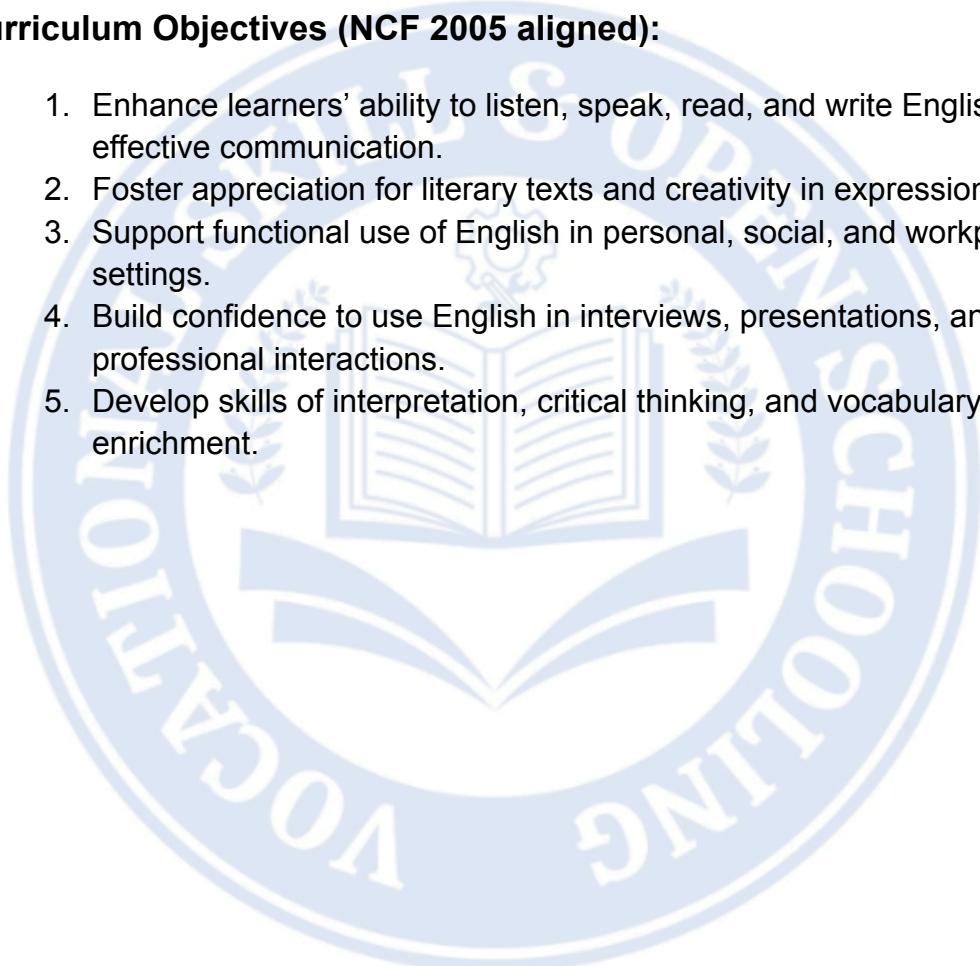
**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRC Level:** 3

### **3.1 Curriculum Objectives (NCF 2005 aligned):**

1. Enhance learners' ability to listen, speak, read, and write English for effective communication.
2. Foster appreciation for literary texts and creativity in expression.
3. Support functional use of English in personal, social, and workplace settings.
4. Build confidence to use English in interviews, presentations, and professional interactions.
5. Develop skills of interpretation, critical thinking, and vocabulary enrichment.



### 3.2 Units, Topics & Content

Unit No.	Topics	Subtopics	Hours	NCRF Element
1	Listening Skills	Comprehension of dialogues, announcements, podcasts, instructions	12	Communication Competency
2	Speaking Skills	Self-introduction, Group discussions, Role-plays, Conversations in daily contexts	16	Oral Expression & Fluency
3	Reading Comprehension	Reading passages, Poems, Newspaper articles, Summarizing key points	18	Reading Literacy
4	Writing Skills – Basic	Paragraph writing, Letter writing (formal/informal), Notices, Emails	16	Functional Writing Skills
5	Grammar and Sentence Formation	Tenses, Subject-Verb Agreement, Parts of Speech, Voice, Reported Speech	20	Structural Language Awareness
6	Vocabulary & Word Usage	Synonyms, Antonyms, Prefixes/Suffixes, Homophones, Idioms, Collocations	14	Lexical Resource
7	Workplace Communication	Resume writing, Interview etiquette, Descriptive & Instructional writing for workplace	14	English for Employability

	<b>Project / Assignment / Portfolio</b>	Dialogue writing, Poster creation, Speech presentation, Real-life workplace scenario	10	Integrated Evaluation
--	---	--	----	-----------------------

### **3.3 Assessment Pattern:**

1. Internal Assignment: 20% (Oral tasks, vocabulary log, journal writing)
2. Written Examination: 60% (2-hour paper covering all competencies)
3. Practical/Portfolio/Listening-Speaking Tasks: 20% (role-play, audio-based tasks, presentations)

### **3.4 Unit-Wise Syllabus Breakdown**

#### **3.4.1 Unit 1: Listening Skills (12 Hours)**

1. Listening to Instructions and Announcements
2. Understanding Audio Clips and Short Podcasts
3. Comprehending Conversations and Dialogues
4. Listening for Gist and Specific Information

#### **3.4.2 Unit 2: Speaking Skills (16 Hours)**

1. Self-introduction and Personal Expression
2. Role-play and Daily Life Conversations
3. Group Discussions and Interviews
4. Pronunciation and Fluency Practice

### **3.4.3 Unit 3: Reading Comprehension (18 Hours)**

1. Reading Short Stories, Articles, and Biographies
2. Identifying Main Ideas and Supporting Details
3. Interpreting Poems and Literary Texts
4. Summarizing and Making Inferences

### **3.4.4 Unit 4: Writing Skills – Basic (16 Hours)**

1. Paragraph Writing and Diary Entry
2. Informal and Formal Letter Writing
3. Notice and Email Writing
4. Descriptive and Narrative Writing

### **3.4.5 Unit 5: Grammar and Sentence Formation (20 Hours)**

1. Tenses and Sentence Structure
2. Subject-Verb Agreement
3. Direct and Indirect Speech
4. Active and Passive Voice
5. Parts of Speech and Prepositions

### **3.4.6 Unit 6: Vocabulary and Word Usage (14 Hours)**

1. Synonyms and Antonyms
2. One-Word Substitutions
3. Prefixes and Suffixes
4. Homophones and Homonyms
5. Idioms, Phrases, and Proverbs

### **3.4.7 Unit 7: Workplace Communication (14 Hours)**

1. Resume and Cover Letter Writing
2. Report Writing and Note Making
3. Email and Meeting Communication
4. Interview Preparation and Etiquette

### **3.4.8 Unit 8: Project / Assignment / Portfolio (10 Hours)**

1. Poster or Pamphlet Creation
2. Speech or Story Presentation
3. Journal/Blog Writing on Life Skills
4. Dialogue Writing and Dramatization

### **3.5 Credit Outcome:**

Learner demonstrates working knowledge of English in social and professional contexts, enabling them to communicate effectively and participate in further academic or skill-based training.

## **4.0 Science**

**Subject:** Science

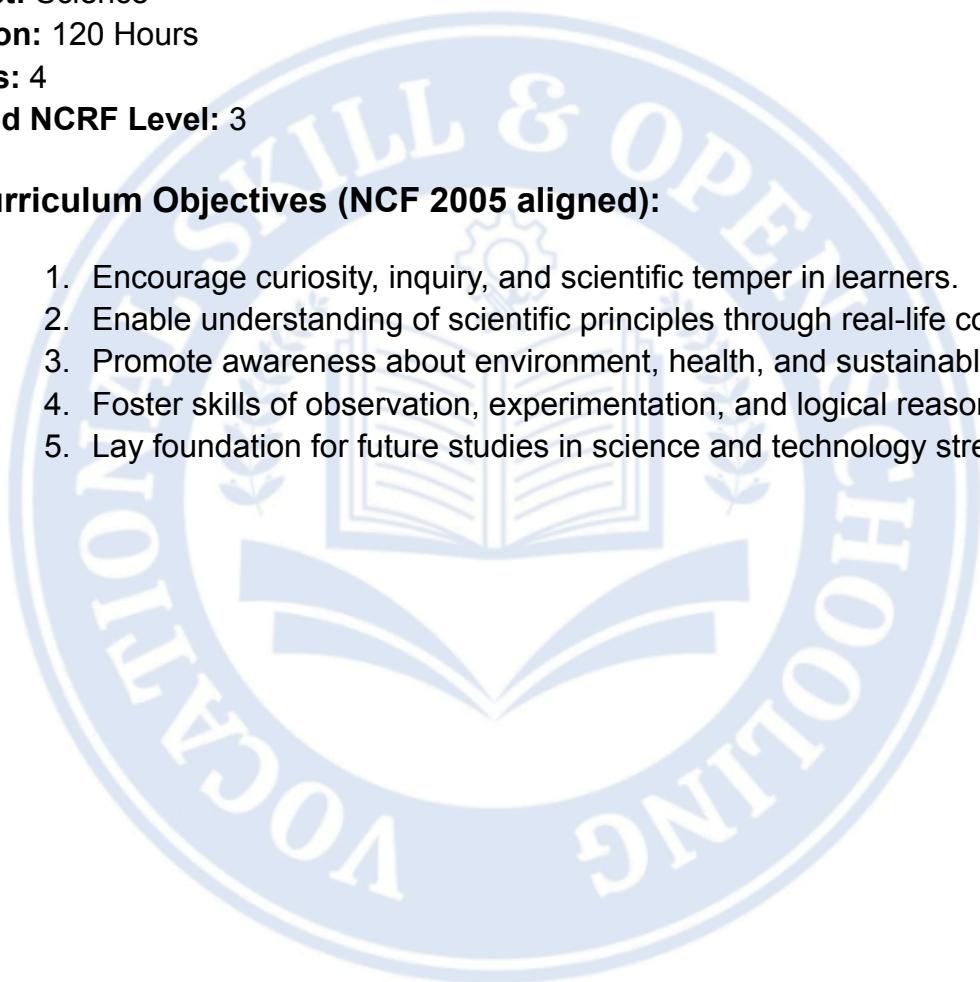
**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRC Level:** 3

### **4.1 Curriculum Objectives (NCF 2005 aligned):**

1. Encourage curiosity, inquiry, and scientific temper in learners.
2. Enable understanding of scientific principles through real-life contexts.
3. Promote awareness about environment, health, and sustainable living.
4. Foster skills of observation, experimentation, and logical reasoning.
5. Lay foundation for future studies in science and technology streams.



## 4.2 Unit-Wise Syllabus

Unit No.	Title	Topics	Hours
1	Food: Sources and Components	Food sources, Nutrients, Balanced diet, Food adulteration	12
2	Materials and Their Properties	Metals & non-metals, Acids, bases & salts, Physical and chemical changes	16
3	The World of Living	Characteristics of living beings, Cell structure, Reproduction, Adaptation, Ecosystems	18
4	Motion, Force & Work	Motion and types, Newton's laws, Force, Pressure, Energy, Simple machines	14
5	Heat, Light and Sound	Heat transfer, Reflection and refraction, Human eye, Sound waves and properties	14
6	Our Environment & Natural Resources	Pollution, Water and air quality, Fossil fuels, Renewable resources, Waste management	14

7	Electricity and Magnetism	Electric current, Circuits, Magnetic effects of current, Household electricity	10
	<b>Project / Portfolio / Experimentation</b>	Lab experiments, Models, Case studies, Field observations	12

#### 4.3 Assessment Pattern

1. Internal Assignment: 20% (Experiments, concept maps, observation journals)
2. Written Examination: 60% (2-hour paper)
3. Practical & Portfolio: 20% (Lab tasks, project work, demonstrations)

#### 4.4 Unit-Wise Syllabus Breakdown

##### 4.4.1 Unit 1: Food – Sources and Components (12 Hours)

1. Sources of food (plants & animals)
2. Components of food and their functions
3. Balanced diet and deficiency diseases
4. Food spoilage and adulteration

##### 4.4.2 Unit 2: Materials and Their Properties (16 Hours)

1. Classification of substances: Metals & non-metals
2. Acids, Bases, and Salts – properties and reactions
3. Physical and chemical changes
4. Separation of mixtures

#### **4.4.3 Unit 3: The World of Living (18 Hours)**

1. Characteristics of living beings
2. Structure and functions of cells
3. Modes of reproduction in plants and animals
4. Ecosystems and interdependence
5. Adaptations and classification of organisms

#### **4.4.4 Unit 4: Motion, Force, and Work (14 Hours)**

1. Concept of motion and types of motion
2. Speed, velocity, and acceleration
3. Newton's laws of motion
4. Work, energy, power, and simple machines

#### **4.4.5 Unit 5: Heat, Light, and Sound (14 Hours)**

1. Temperature and heat transfer
2. Reflection and refraction of light

3. Structure and functioning of the human eye
4. Properties and propagation of sound

#### **4.4.6 Unit 6: Our Environment and Natural Resources (14 Hours)**

1. Pollution: air, water, noise
2. Water conservation and purification
3. Renewable and non-renewable resources
4. Waste management and eco-friendly practices

#### **4.4.7 Unit 7: Electricity and Magnetism (10 Hours)**

1. Electric circuits, conductors and insulators
2. Magnetic effects of electric current
3. Safety in using household electricity
4. Electric motors and their applications

#### **4.4.8 Unit 8: Project / Experimentation / Portfolio (12 Hours)**

1. Simple experiments and observations
2. Creating working models and science charts
3. Field-based case studies (e.g., waste segregation, water usage)

4. Scientific journaling and report writing

#### **4.5 Credit Outcome:**

Learner understands scientific principles and applies them in practical contexts, equipping them for advanced technical or vocational education.

## **5.0 Social Science**

**Subject:** Social Science

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRC Level:** 3

#### **5.1 Curriculum Objectives (NCF 2005 aligned):**

1. Develop critical thinking and informed decision-making through historical, social, political, and economic understanding.
2. Build awareness of constitutional values, diversity, and the democratic process.
3. Promote environmental consciousness and civic responsibility.
4. Connect classroom learning with local, national, and global contexts.

## 5.2 Unit-Wise Syllabus

Unit No.	Title	Topics	Hours
1	History: Ancient to Modern India	Harappan Civilization, Maurya & Gupta Empires, Delhi Sultanate, Mughals, Freedom Struggle	18
2	Geography: Resources & Environment	Natural resources, Landforms, Climate, Agriculture, Disaster management	16
3	Political Science: Democracy	Indian Constitution, Rights & Duties, Elections, Local Government, Role of Citizens	18
4	Economics: Understanding Economy	Basic concepts of money, employment, poverty, sustainable development	14
5	Social Change & Gender Equality	Diversity, Inclusion, Gender roles, Social reformers	14

6	Contemporary Issues	Global warming, Urbanization, Digital divide, Consumer rights	14
	<b>Project / Assignment / Portfolio</b>	Local survey, Heritage map, Poster making, Case study on environmental or social issue	12

### 5.3 Assessment Pattern:

1. Internal Assignment: 20% (Map work, reports, project journals)
2. Written Examination: 60% (Theory exam with structured and creative responses)
3. Project & Presentation: 20% (Visual displays, group projects, civic actions)

### Unit-Wise Syllabus Breakdown

#### 5.4.1 Unit 1: History – Ancient to Modern India (18 Hours)

1. Indus Valley Civilization and Vedic Age
2. Maurya and Gupta Empires
3. Delhi Sultanate and Mughal Empire
4. Colonialism and the Indian Freedom Movement
5. Post-independence developments

#### 5.4.2 Unit 2: Geography – Resources and Environment (16 Hours)

1. Types of natural resources: renewable and non-renewable
2. Landforms and physical features of India
3. Agriculture and human activities
4. Environmental degradation and disaster management
5. Maps and globe interpretation

#### **5.4.3 Unit 3: Political Science – Democracy and Government (18 Hours)**

1. Key features of the Indian Constitution
2. Fundamental Rights and Duties
3. Structure of Government: Local, State, Central
4. Elections and political participation
5. Role of media, judiciary, and civil society

#### **5.4.4 Unit 4: Economics – Understanding the Economy (14 Hours)**

1. Money and banking
2. Employment, unemployment and income generation
3. Economic inequalities and poverty
4. Sustainable development and SDGs
5. Production and consumption

#### **5.4.5 Unit 5: Social Change and Gender Equality (14 Hours)**

1. Diversity and inclusion in Indian society
2. Gender roles and stereotypes
3. Contributions of Indian reformers and social movements
4. Legal protections and awareness for women and children

#### **5.4.6 Unit 6: Contemporary Issues and Citizenship (14 Hours)**

1. Globalization and urbanization
2. Environmental issues: climate change, water crisis
3. Technology, digital divide, and media literacy
4. Consumer awareness and protection rights
5. Community problem-solving and leadership

#### **5.4.7 Unit 7: Projects / Assignments / Portfolio (12 Hours)**

1. Heritage site mapping or poster making
2. Case study: local environmental or social issue
3. Role-play: civic participation or voting awareness
4. Presentation: current affairs or citizen responsibility

### **5.5 Credit Outcome:**

Learner understands historical processes, environmental interdependence, and socio-political structures to actively engage as a responsible citizen and critical thinker.

## **6.0 Indian Knowledge Systems (IKS)**

**Subject:** Indian Knowledge Systems (IKS)

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRF Level:** 3

### **6.1 Curriculum Objectives (NCF 2005 aligned):**

1. Develop an appreciation for India's indigenous knowledge traditions.
2. Foster understanding of scientific, philosophical, and cultural achievements in historical context.
3. Encourage inquiry, creativity, and ethical reflection through ancient systems.
4. Connect traditional knowledge with modern life, sustainability, and global relevance.

## 6.2 Unit-Wise Syllabus

Unit No.	Title	Topics	Hours
1	Foundations of Indian Knowledge	Vedas, Upanishads, Darshanas, Purusharthas, traditional Indian education	16
2	Sciences in Ancient India	Ayurveda, Rasayana, Metallurgy, Astronomy, Botany, Mathematics (e.g., Sulba Sutras)	18
3	Language and Literature	Sanskrit grammar, Tamil Sangam literature, epics (Ramayana, Mahabharata), regional literatures	16
4	Art, Architecture & Aesthetics	Temple architecture, sculpture, classical music and dance traditions, rangoli and folk arts	14
5	Knowledge of Ecology & Agriculture	Ancient irrigation, farming systems, forest and water conservation, cow-based economy	14

6	Philosophy, Ethics & Logic	Nyaya, Vaisheshika, Buddhist and Jain philosophies, moral stories, social harmony	14
7	Applied IKS & Modern Relevance	Yoga and wellness, Indian calendar, traditional technologies, sustainability principles	16
	<b>Project / Assignment / Portfolio</b>	Oral storytelling, traditional recipe documentation, village craft study, local temple mapping	12

### 6.3 Assessment Pattern:

1. Internal Assignment: 20% (Booklet making, recitation, oral presentation)
2. Written Examination: 60% (Short and long answers, conceptual reflections)
3. Project/Portfolio: 20% (Documentation, field visits, cultural exhibits)

### 6.4 Unit-Wise Syllabus Breakdown

#### 6.4.1 Unit 1: Foundations of Indian Knowledge (16 Hours)

1. Vedas and Upanishads
2. Six Schools of Indian Philosophy (Shad-Darshanas)
3. Gurukul system and value-based education
4. Purusharthas: Dharma, Artha, Kama, Moksha

#### 6.4.2 Unit 2: Sciences in Ancient India (18 Hours)

1. Ayurveda: Holistic health and wellness
2. Metallurgy and ancient chemistry (Rasayana)
3. Mathematics: Sulba Sutras, decimal system
4. Astronomy and calendars (Jyotisha)

#### **6.4.3 Unit 3: Language and Literature (16 Hours)**

1. Sanskrit grammar and Panini's Ashtadhyayi
2. Epics: Ramayana and Mahabharata – values and leadership
3. Sangam literature and regional oral traditions
4. Storytelling as pedagogy: Panchatantra, Jataka tales

#### **6.4.4 Unit 4: Art, Architecture and Aesthetics (14 Hours)**

1. Temple architecture and sculpture
2. Indian classical music and dance forms (e.g., Bharatanatyam, Hindustani)
3. Folk arts and festivals
4. Rangoli, Kolam, Warli, and Mandala patterns

#### **6.4.5 Unit 5: Ecology and Agriculture (14 Hours)**

1. Ancient irrigation and water management systems
2. Forest management, biodiversity, and sacred groves
3. Organic farming and cow-based economy
4. Sustainable practices in traditional village life

#### **6.4.6 Unit 6: Philosophy, Ethics and Logic (14 Hours)**

1. Logic and debate traditions: Nyaya, Vaisheshika
2. Non-violence and interfaith harmony in Jain and Buddhist thought
3. Moral teachings from scriptures and folk stories
4. Panchatantra principles of governance and wisdom

#### **6.4.7 Unit 7: Applied IKS and Modern Relevance (16 Hours)**

1. Yoga, Meditation, and Mental Health
2. Indian calendar and astronomical systems
3. Indigenous technologies: spinning, pottery, weaving
4. Traditional practices and climate-resilient living

#### **6.4.8 Unit 8: Project / Assignment / Portfolio (12 Hours)**

1. Documentation of local traditions or crafts
2. Oral history interviews with elders
3. Poster on Vedic science or Indian mathematicians
4. Village temple sketching and interpretation

### **6.5 Credit Outcome:**

Learner develops cultural rootedness, ethical awareness, and multidisciplinary perspectives with respect for Indian traditions and global outlook.

## **7.0 VOCATIONAL**

**Subject:** Vocational Subject (Choose Any One Trade)

**Duration:** 240 Hours

**Credits:** 8

**Mapped NCRC Level:** 3–4

### **7.1 Curriculum Objectives (NCF 2005 aligned):**

1. Develop employable skills aligned with industry standards.
2. Promote hands-on training, work ethics, and entrepreneurship.
3. Encourage learners to explore real-world work environments.
4. Ensure smooth transition from school to skill or job pathways.

## 7.2 Theory: Unit-Wise Breakdown (120 Hours)

Unit No.	Title	Topics	Hours
1	Introduction to IT & Digital Systems	Components of a computer, operating systems, input-output devices, basic troubleshooting	20
2	Keyboarding and Typing Fundamentals	Home row keys, finger positions, speed & accuracy goals, ergonomics	16
3	Word Processing (MS Word or Equivalent)	Document creation, formatting, tables, headers, inserting images, mail merge	18
4	Spreadsheets (MS Excel or Equivalent)	Data entry, formulas, charts, filtering and sorting, formatting	20
5	Presentations (MS PowerPoint etc.)	Slide design, layout, animations, transitions, presenting skills	14

6	Internet and Digital Communication	Email, attachments, safe browsing, e-filing, data privacy, cloud tools	16
7	Workplace Readiness	Office discipline, communication, team work, resume, interview skills	16

### 7.3 Practical: Unit-Wise Tasks (120 Hours)

Unit No.	Practical Task	Description	Hours
1	Typing Practice	Practice using typing software; speed drills	24
2	Word Processing Exercises	Letter writing, certificates, newsletters, resumes	24
3	Spreadsheet Projects	Mark sheets, expense sheets, attendance records, simple budget	20
4	Slide Deck Preparation	Create presentation on personal profile or social issues	16
5	Email and Cloud Tools	Drafting mails, uploading documents, creating folders	12

6	Office Simulation	Perform mock office data entry tasks, filing, digital archive setup	12
7	Mini Project	Prepare complete office file (letter, spreadsheet, slides) on a chosen theme	12

## 7.4 Assessment Structure

1. **Theory Examination:** 30%
2. **Practical Skill Test:** 40%
3. **Field Project / Internship / File Submission:** 30%

## 7.4 Unit-Wise Syllabus Breakdown

### 7.4.1 Theory – Unit Wise (120 Hours)

#### 7.4.1.1 Unit 1: Introduction to Electrical Trade (12 Hours)

1. Importance and applications of electricity
2. Roles and responsibilities of an electrician assistant
3. Scope of employment and entrepreneurship
4. Terminology and industry standards

#### 7.4.1.2 Unit 2: Tools and Equipment (16 Hours)

1. Identification and classification of hand tools
2. Usage of screwdrivers, pliers, testers, wire strippers
3. Maintenance and care of electrical tools
4. Safety guidelines during tool operation

#### 7.4.1.3 Unit 3: Basic Electrical Concepts (20 Hours)

1. Current, Voltage, Resistance, and Power
2. Ohm's Law and its applications
3. Series and parallel circuits
4. Conductors, insulators, and semi-conductors

#### 7.4.4 Unit 4: Electrical Wiring Systems (20 Hours)

1. Types of wiring: CTS, Conduit, Cleat
2. Wiring materials and their specifications
3. Colour coding and circuit protection
4. Switches, sockets, MCBs, and fuses

#### 7.4.1.5 Unit 5: Measurement and Testing (16 Hours)

1. Measuring instruments: Multimeter, Test Lamp, Ammeter, Voltmeter
2. Continuity testing and insulation resistance testing
3. Earthing systems and importance
4. Load calculations and energy efficiency

#### 7.4.1.6 Unit 6: Electrical Safety and First Aid (16 Hours)

1. Shock prevention and safe practices
2. Safety devices and PPE

3. Fire hazards and extinguisher usage
4. First aid for electrical accidents

#### 7.4.1.7 Unit 7: Employability & Work Ethics (20 Hours)

1. Work readiness and punctuality
2. Communication and team collaboration
3. Customer interaction skills
4. Resume writing and interview preparation

#### 7.4.2 Practical – Unit Wise (120 Hours)

##### 7.4.2.1 Unit 1: Tool Handling and Setup (20 Hours)

1. Demonstration and correct use of electrician tools
2. Preparation and cleaning of work area
3. Sharpening and maintenance of tools

##### 7.4.2.2 Unit 2: Wiring Exercises (24 Hours)

1. Practice on one-way and two-way switches
2. Tube light and ceiling fan wiring
3. Socket connections with fuse
4. Fixing MCBs and energy meters

##### 7.4.2.3 Unit 3: Electrical Testing and Measurement (20 Hours)

1. Continuity testing on wiring boards
2. Voltage and current measurement

3. Load balancing on circuits
4. Earth resistance checking

#### 7.4.2.4 Unit 4: Project Work (20 Hours)

1. Prepare a working model of house wiring board
2. Assemble a mini power board
3. Troubleshoot a given faulty circuit

#### 7.4.2.5 Unit 5: Safety Simulation & First Aid Practice (16 Hours)

1. Mock drill for electrical fire
2. Demonstration of CPR
3. Safety signages and hazard identification

#### 7.4.2.6 Unit 6: Internship / Industry Exposure (20 Hours)

1. Shadowing a local electrician
2. On-field logbook of installations or repairs
3. Report submission and supervisor remarks

### 7.5 Outcome

1. Learner is qualified for entry-level roles in offices, data centers, or entrepreneurship in documentation and digital services.
2. The credits are eligible for horizontal or vertical mobility in skill-based programs or ITI/Polytechnic.

## **8.0 Employability & Work Education**

**Subject:** Employability & Work Education

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRC Level:** 3

### **8.1 Curriculum Objectives (NCF 2005 aligned):**

1. Foster an understanding of workplace roles, behaviors, and basic business operations.
2. Promote dignity of labour, time management, and professional communication.
3. Equip learners with entrepreneurship skills and real-world problem-solving abilities.
4. Prepare learners for the transition from school to work, apprenticeships, or training.

## 8.2 Unit-Wise Syllabus

Unit No.	Title	Topics	Hours
1	Understanding the World of Work	Types of work, worker-employer roles, self-employment, dignity of labour	16
2	Work Ethics and Attitudes	Time management, discipline, punctuality, teamwork, accountability	16
3	Career Planning & Goal Setting	Identifying interests/skills, job research, goal setting techniques	14
4	Entrepreneurship Skills	Idea generation, micro-business basics, customer service, business ethics	16
5	Communication in the Workplace	Verbal and non-verbal communication, professional body language, email and phone etiquette	16
6	Financial Literacy	Budgeting, saving, banking, digital payments, understanding payslips	14
7	Work-based Learning Projects	Role-plays, mock interviews, job cards, creating resumes and portfolios	14

	<b>Project / Portfolio / Practice File</b>	Create a business plan, conduct a market survey, work sampling activity	14
--	--	---	----

### **8.3 Assessment Pattern:**

1. Internal Assignment: 20% (Reflections, journal writing, project reports)
2. Written Examination: 60% (MCQs, short answers, scenario-based questions)
3. Practical / Portfolio: 20% (Simulations, resume, group activities)

### **8.4 Unit-Wise Syllabus Breakdown**

#### **8.4.1 Unit 1: Understanding the World of Work (16 Hours)**

1. Meaning and types of work
2. Organized and unorganized sectors
3. Self-employment and salaried jobs
4. Dignity of labour and gender inclusion in work

#### **8.4.2 Unit 2: Work Ethics and Attitudes (16 Hours)**

1. Time management and punctuality
2. Workplace discipline and behavior
3. Responsibility and accountability
4. Importance of teamwork and leadership

#### **8.4.3 Unit 3: Career Planning and Goal Setting (14 Hours)**

1. Identifying strengths and interests
2. Career exploration using available resources

3. Setting short-term and long-term goals
4. Introduction to vocational pathways

#### **8.4.4 Unit 4: Entrepreneurship Skills (16 Hours)**

1. What is entrepreneurship?
2. Generating business ideas
3. Basics of setting up a micro-business
4. Customer care and business ethics

#### **8.4.5 Unit 5: Communication in the Workplace (16 Hours)**

1. Verbal and non-verbal communication
2. Telephone and email etiquette
3. Handling customers and conflict resolution
4. Listening and presentation skills

#### **8.4.6 Unit 6: Financial Literacy (14 Hours)**

1. Understanding income and expenditure
2. Basics of banking, savings, and digital payments
3. Personal budgeting and investment awareness
4. Understanding salaries and payslips

#### **8.4.7 Unit 7: Work-Based Learning Projects (14 Hours)**

1. Resume preparation

2. Mock interviews and role plays
3. Creating business models and job cards
4. Community and workplace observations

#### **8.4.8 Unit 8: Portfolio & Practical Assignments (14 Hours)**

1. Market survey or work sampling
2. Preparing a business plan or budget
3. Reflection journal on field exposure
4. Presentation on career or role model

#### **8.5 Credit Outcome:**

Learner demonstrates readiness for employment or entrepreneurship and is equipped with skills necessary for further education or real-world productivity.

## **9.0 Digital Literacy / ICT**

**Subject:** Digital Literacy / ICT

**Duration:** 60 Hours

**Credits:** 2

**Mapped NCRF Level:** 3

### **9.1 Curriculum Objectives (NCF 2005 aligned):**

1. Enable learners to use computers and digital devices for communication and productivity.
2. Provide foundational knowledge in operating systems, internet usage, and cybersecurity.
3. Promote responsible digital behavior and understanding of emerging digital tools.
4. Develop practical skills for digital documentation, communication, and collaboration.

## 9.2 Unit-Wise Syllabus

Unit No.	Title	Topics	Hours
1	Introduction to ICT	Computers and mobile devices, hardware and software, basic troubleshooting	10
2	Operating System Basics	Files and folders, desktop operations, control panel, keyboard and mouse usage	10
3	Word Processing & Spreadsheets	Creating documents, tables, formatting, introduction to Excel, charts and formulas	10
4	Internet and Email	Browsers, search engines, setting up emails, using attachments, web safety	10
5	Cyber Safety and Digital Etiquette	Cyberbullying, malware, privacy settings, responsible use of social media	10
6	Practical Applications	Preparing letters, simple spreadsheets, sending email with attachments, accessing e-governance	10

## 9.3 Assessment Pattern:

1. Internal Assignment: 20% (Lab exercises, class participation)
2. Practical Examination: 60% (Hands-on tasks in lab environment)
3. Viva / Portfolio: 20% (Submission of practice files, oral questions)

## **9.4 Unit-Wise Syllabus Breakdown**

### **9.4.1 Unit 1: Introduction to ICT (10 Hours)**

1. Basics of digital devices: desktop, laptop, tablet, smartphone
2. Understanding hardware (CPU, memory, input-output devices)
3. Software types: system software vs. application software
4. Turning devices on/off, understanding interface, simple troubleshooting

### **9.4.2 Unit 2: Operating System Basics (10 Hours)**

1. File and folder creation
2. Basic file management (copy, move, delete)
3. Customizing the desktop and settings
4. Keyboard and mouse operations

### **9.4.3 Unit 3: Word Processing and Spreadsheets (10 Hours)**

1. Creating and saving text documents
2. Formatting text, inserting tables, bullet points
3. Creating basic spreadsheets: data entry, formulas, bar charts
4. Using print preview and saving documents

### **9.4.4 Unit 4: Internet and Email (10 Hours)**

1. Using web browsers and search engines
2. Creating and using an email account

3. Sending/receiving attachments
4. Introduction to government portals and digital forms

#### **9.4.5 Unit 5: Cyber Safety and Digital Etiquette (10 Hours)**

1. Understanding online threats: phishing, viruses, fake news
2. Safe browsing practices and password protection
3. Netiquette: responsible use of chat, forums, and social media
4. Cyberbullying and reporting abuse

#### **9.4.6 Unit 6: Practical Applications (10 Hours)**

1. Drafting a formal letter on a computer
2. Creating a mark sheet using spreadsheets
3. Sending a job application via email
4. Using digital tools for online learning or career search

### **9.5 Credit Outcome:**

Learner becomes digitally literate and capable of using digital tools for education, employment, and personal development, with credits recorded at NCRF Level 3.

## **10.0 Life Skills, Health & Values**

**Subject:** Life Skills, Health & Values

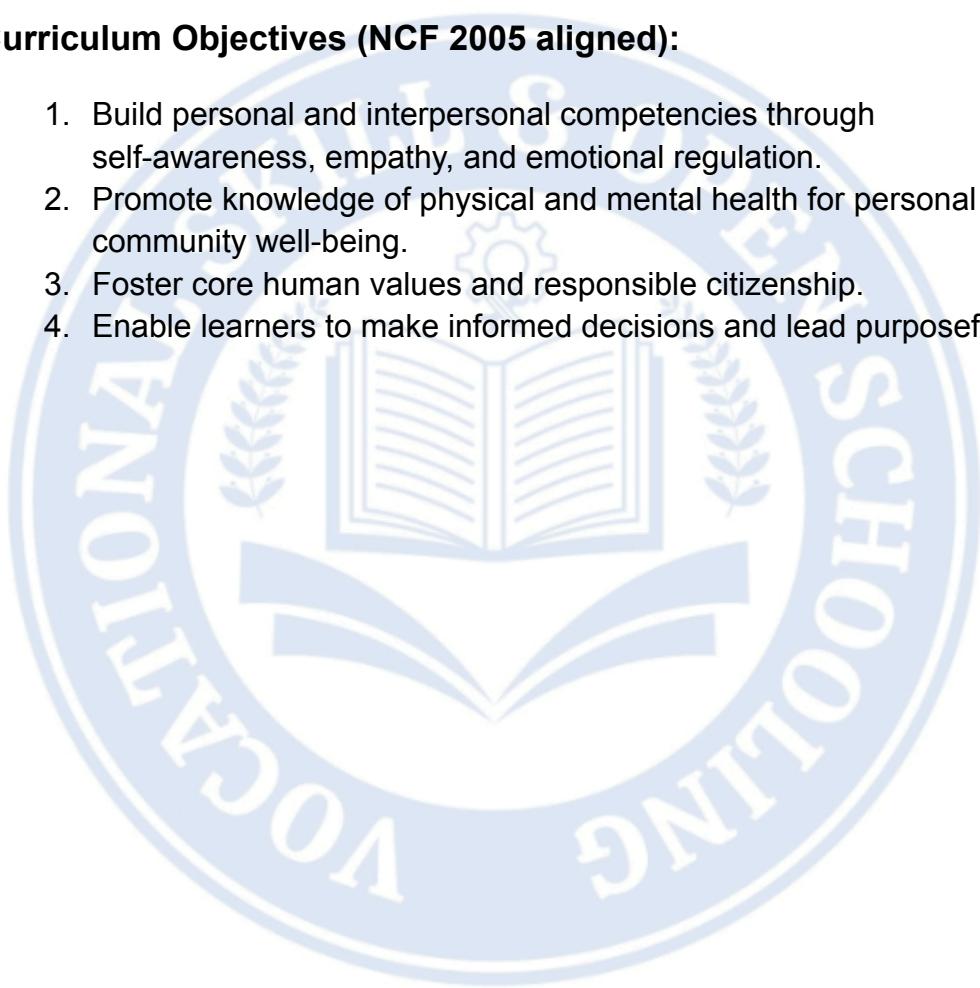
**Duration:** 60 Hours

**Credits:** 2

**Mapped NCRC Level:** 3

### **10.1 Curriculum Objectives (NCF 2005 aligned):**

1. Build personal and interpersonal competencies through self-awareness, empathy, and emotional regulation.
2. Promote knowledge of physical and mental health for personal and community well-being.
3. Foster core human values and responsible citizenship.
4. Enable learners to make informed decisions and lead purposeful lives.



## 10.2 Unit-Wise Syllabus

Unit No.	Title	Topics	Hours
1	Introduction to Life Skills	Decision making, problem solving, creative thinking, coping with emotions	10
2	Health and Hygiene	Personal hygiene, nutrition, physical fitness, communicable diseases	10
3	Mental and Emotional Well-being	Stress management, positive thinking, self-esteem, peer pressure	10
4	Values and Ethics	Honesty, respect, compassion, fairness, civic responsibility	10
5	Relationships and Social Skills	Empathy, communication skills, teamwork, managing conflict	10
6	Safety and First Aid	Safety at home, school, workplace; first aid procedures; emergency response	10

## 10.3 Assessment Pattern:

1. Internal Assignment: 20% (Reflections, class activities, group tasks)
2. Practical Exam / Demonstration: 60% (Role-plays, situation handling, hygiene checklist)
3. Portfolio / Project File: 20% (Value stories, health journal, posters)

## **10.4 Unit-Wise Syllabus Breakdown**

### **10.4.1 Unit 1: Introduction to Life Skills (10 Hours)**

1. Definition and importance of life skills
2. Decision-making and problem-solving
3. Creative thinking and critical thinking
4. Coping with emotions and stress

### **10.4.2 Unit 2: Health and Hygiene (10 Hours)**

1. Personal hygiene and daily habits
2. Balanced diet and nutrition
3. Importance of physical activity and fitness
4. Awareness about communicable and lifestyle diseases

### **10.4.3 Unit 3: Mental and Emotional Well-being (10 Hours)**

1. Understanding emotions and mood swings
2. Self-esteem and self-image
3. Managing peer pressure
4. Building resilience and mindfulness practices

### **10.4.4 Unit 4: Values and Ethics (10 Hours)**

1. Core values: honesty, respect, responsibility, fairness
2. Role of values in everyday decisions

3. Civic responsibilities and duties
4. Environmental ethics and social justice

#### **10.4.5 Unit 5: Relationships and Social Skills (10 Hours)**

1. Developing empathy and active listening
2. Building trust and handling conflicts
3. Gender sensitivity and respect for diversity
4. Teamwork and cooperation

#### **10.4.6 Unit 6: Safety and First Aid (10 Hours)**

1. Safety at home, school, workplace, and public spaces
2. First aid techniques: cuts, burns, fainting, CPR basics
3. Road safety and fire safety
4. Emergency helplines and response strategies

### **10.5 Credit Outcome:**

Learner demonstrates personal responsibility, health awareness, and social values that contribute to a healthy and ethical lifestyle.

# **Regional Languages**

**1. Assamese**

**2. Bengali**

**3. Hindi**

**4. Kannada**

**5. Malayalam**

**6. Marathi**

**7. Tamil**

**8. Telugu**

## 11.0 Assamese

**Subject:** Assamese (আসামীয়া)

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRF Level:** 3

### 11.1 Curriculum Objectives (NCF 2005 aligned):

1. Develop learners' proficiency in listening, speaking, reading, and writing Assamese.
2. Encourage the appreciation of Assamese literature, culture, and heritage.
3. Promote functional and creative use of Assamese in everyday and formal contexts.
4. Strengthen communication skills for education, work, and personal development.

## 11.2 Unit-Wise Syllabus

Unit No.	Title	Subtopics	Hours
1	Listening Skills	Traditional stories, conversations, instructions, folk songs, audio clips	12
2	Speaking Skills	Self-introduction, local storytelling, group discussion, speech on Assamese festivals	16
3	Reading Comprehension	Prose by noted authors, poetry by Lakshminath Bezbaroa, newspaper articles, folk literature	18
4	Writing Skills – Basic	Paragraph and essay writing, informal and formal letters, notice writing, script writing	16
5	Grammar and Sentence Structure	Tenses, sentence formation, noun-verb agreement, Sandhi (সঞ্চি), Samas (সমাস)	20
6	Vocabulary and Expression	Idioms (প্রবাদ), synonyms, antonyms, one-word substitutions, cultural expressions	14
7	Functional Assamese	Report writing, resume, advertisements, invitation letters, posters	14
8	Project / Portfolio	Community story collection, poetry writing, poster design, village traditions documentation	10

## **11.3 Unit-Wise Syllabus Breakdown**

### **11.3.1 Unit 1: Listening Skills (12 Hours)**

1. Understanding folk tales, poems, and conversations in Assamese
2. Audio comprehension: short clips, instructions, and dialogues
3. Listening to community elders' stories and summarizing them

### **11.3.2 Unit 2: Speaking Skills (16 Hours)**

1. Self-introduction and conversation with peers
2. Role plays based on traditional Assamese culture
3. Public speaking on local topics (festivals, environment, etc.)

### **11.3.3 Unit 3: Reading Comprehension (18 Hours)**

1. Prose from modern Assamese literature
2. Poems by Lakshminath Bezbaroa, Jyotiprasad Agarwala, etc.
3. Newspaper articles and folk literature excerpts
4. Summarizing and extracting key ideas

### **11.3.4 Unit 4: Writing Skills – Basic (16 Hours)**

1. Letter writing (formal/informal)
2. Essay and paragraph writing
3. Dialogue and script writing
4. Notice and application writing

#### **11.3.5 Unit 5: Grammar and Language Structure (20 Hours)**

1. Parts of Speech (Noun, Verb, Pronoun, etc.)
2. Sentence structure and syntax
3. Sandhi (সঞ্চি), Samas (সমাস), and Tenses
4. Active and passive voice, sentence transformation

#### **11.3.6 Unit 6: Vocabulary & Idiomatic Usage (14 Hours)**

1. Synonyms and antonyms
2. Proverbs and idioms (প্রবাদ-প্রচলিত কথা)
3. One-word substitutions and common phrases
4. Regional dialect understanding

#### **11.3.7 Unit 7: Functional and Creative Assamese (14 Hours)**

1. Report writing, advertisement, slogans, invitation writing
2. Writing for community events, local news
3. Descriptive writing on festivals, nature, and Assamese traditions

#### **11.3.8 Unit 8: Project / Portfolio (10 Hours)**

1. Prepare a family or village history in Assamese
2. Poster or poem writing competition
3. Traditional song/folktale collection
4. Prepare a script for a street play or radio talk in Assamese

## 11.4 Assessment Pattern

1. **Internal Assignment (20%)** – Speaking tasks, reading log, grammar worksheets
2. **Written Examination (60%)** – Comprehension, grammar, creative and functional writing
3. **Portfolio / Project (20%)** – Folktale documentation, posters, community-based presentation

## 11.5 Credit Outcome

The learner demonstrates communicative and cultural proficiency in Assamese, both in traditional and contemporary contexts.

Prepared for higher studies, work-based communication, and cultural participation in the Assamese-speaking regions.

## **12.0 Bengali**

**Subject:** Bengali (বাংলা)

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRF Level:** 3

### **12.1 Curriculum Objectives (NCF 2005 aligned):**

1. Develop reading, writing, speaking, and listening skills in Bengali.
2. Appreciate Bengali literature and its cultural, ethical, and historical depth.
3. Use the language effectively for expression in everyday and formal settings.
4. Strengthen the learner's connection to local heritage and functional communication.

## 12.2 Unit-Wise Syllabus Breakdown

Unit No.	Title	Subtopics	Hours
1	<b>Listening Skills</b>	Understanding audio clips, stories, classroom instructions, folk songs, and poems	12
2	<b>Speaking Skills</b>	Self-introduction, conversations, role play, expressing opinions, speech delivery on local themes	16
3	<b>Reading Comprehension</b>	Prose and poetry by Tagore, Kazi Nazrul, Sukumar Ray, contemporary writers, and news articles	18
4	<b>Writing Skills – Basic</b>	Paragraph, informal/formal letters, story writing, diary entry, applications, notices	16
5	<b>Grammar and Sentence Formation</b>	Sentence structure, parts of speech, gender, number, tense, voice, idioms, compound words (সমাস)	20
6	<b>Vocabulary and Expression</b>	Synonyms, antonyms, one-word substitution, phrases, idiomatic usage (প্রবাদ-প্রবচন)	14
7	<b>Functional Bengali Writing</b>	Dialogue writing, simple reports, posters, advertisement writing, writing for community publications	14

<b>8</b>	<b>Project / Portfolio</b>	Collection of local stories or poems, poetry recitation, culture-based poster or script writing	10
----------	----------------------------	---	----

## **12.3 Unit-Wise Syllabus Breakdown**

### **12.3.1 Unit 1: Listening Skills (12 Hours)**

1. Listening to Bengali stories, instructions, and dialogues
2. Understanding tone, expression, and emotions in oral texts
3. Audio comprehension exercises (folk songs, news clips, speeches)

### **12.3.2 Unit 2: Speaking Skills (16 Hours)**

1. Self-introduction and describing daily life events
2. Group discussion on festivals, nature, or school life
3. Storytelling from Bengali folklore
4. Delivering short speeches on community-related themes

### **12.3.3 Unit 3: Reading Comprehension (18 Hours)**

1. Reading short stories and poems by Rabindranath Tagore, Sukumar Ray, and others
2. Extracting key ideas and summarizing literary texts
3. Understanding newspaper articles and factual passages
4. Identifying moral or message in prose and poetry

#### **12.3.4 Unit 4: Writing Skills – Basic (16 Hours)**

1. Paragraph and essay writing (nature, school, values, festivals)
2. Formal and informal letter writing
3. Diary entry and story writing
4. Writing notices, invitations, and short reports

#### **12.3.5 Unit 5: Grammar and Sentence Formation (20 Hours)**

1. Parts of speech (Noun, Pronoun, Verb, Adjective, etc.)
2. Tenses, sentence construction, subject-verb agreement
3. Active and passive voice
4. Use of punctuation and sentence correction
5. Compound and complex sentence usage

#### **12.3.6 Unit 6: Vocabulary and Idiomatic Usage (14 Hours)**

1. Synonyms (সমাখ্যক শব্দ) and Antonyms (বিপরীত শব্দ)
2. Idioms and proverbs (প্রবাদ-প্রবচন) in daily speech
3. One-word substitution
4. Vocabulary building through poems and proverbs

#### **12.3.7 Unit 7: Functional Bengali (14 Hours)**

1. Dialogue writing for day-to-day situations
2. Creating advertisements, slogans, and posters
3. Writing articles and short news reports
4. Filling simple forms (school, bank, ration card, etc.)

#### **12.3.8 Unit 8: Project / Portfolio (10 Hours)**

1. Collecting and writing a local folk story
2. Designing a poster for a Bengali cultural event
3. Recitation of a selected poem with meaning explanation
4. Preparing a handwritten magazine with essays, art, and poems

#### **12.4 Assessment Pattern**

1. **Internal Assignment (20%)** – Class participation, dictation, oral presentations, comprehension worksheets
2. **Written Examination (60%)** – Reading, writing, grammar, creative expression
3. **Project / Portfolio (20%)** – Literature project, creative writing, local heritage documentation

#### **12.5 Credit Outcome**

1. Learner attains communicative and literary fluency in Bengali and can apply it in education, work, and cultural engagement.
2. Equips learners for higher secondary study, communication roles, or local creative pursuits.

## 13.0 Tamil

**Subject:** Tamil (தமிழ்)

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRF Level:** 3

### 13.1 Curriculum Objectives (NCF 2005 aligned):

1. Develop the learner's proficiency in reading, writing, speaking, and listening in Tamil.
2. Foster appreciation for Tamil literature, heritage, and culture.
3. Strengthen communication skills for everyday, academic, and professional contexts.
4. Preserve classical and modern Tamil expressions for intergenerational transmission and contemporary use.

## 13.2 Unit-Wise Syllabus Breakdown

Unit No.	Title	Subtopics	Hours
1	<b>Listening Skills</b>	Listening to traditional stories (Villu Paatu), instructions, announcements, speeches	12
2	<b>Speaking Skills</b>	Oral expression, storytelling, role-play, short speech on festivals or village life	16
3	<b>Reading Comprehension</b>	Reading classical poems (Thirukkural), Sangam literature, short stories, newspaper passages	18
4	<b>Writing Skills – Basic</b>	Paragraphs, informal/formal letters, essays, diary writing, notices, applications	16
5	<b>Grammar and Sentence Structure</b>	Parts of speech (பெயர்ச்சொல், வினைச்சொல்), sentence building, tense, gender, number	20
6	<b>Vocabulary &amp; Idiomatic Usage</b>	Synonyms (பொருட்பதங்கள்), antonyms, proverbs (பழமொழிகள்), one-word expressions	14
7	<b>Functional Tamil</b>	Slogans, advertisements, invitations, report writing, public communication	14

<b>8</b>	<b>Project / Portfolio</b>	Poster creation, recitation of classical poems, documenting oral traditions, culture-focused essay	10
----------	----------------------------	--	----

### **13.3 Unit-Wise Syllabus Breakdown**

#### **13.3.1 Unit 1: Listening Skills (12 Hours)**

1. Listening to traditional Tamil folk tales, poems, and songs
2. Comprehending classroom instructions and conversations
3. Understanding tone and context in audio formats
4. Listening exercises based on news, stories, and short speeches

#### **13.3.2 Unit 2: Speaking Skills (16 Hours)**

1. Self-introduction and day-to-day conversations
2. Describing people, places, and events
3. Storytelling (கதை சொல்லல்) and role play
4. Expressing opinions, narrating past events, giving short speeches

#### **13.3.3 Unit 3: Reading Comprehension (18 Hours)**

1. Reading classical and modern Tamil prose and poetry
2. Thirukkural, Aathichoodi, and Sangam verses
3. Extracting meaning, summarizing, identifying themes
4. Reading functional texts like newspaper articles and public notices

#### **13.3.4 Unit 4: Writing Skills – Basic (16 Hours)**

1. Paragraph writing on daily life, values, festivals
2. Informal and formal letters (e.g., school leave, complaint, appreciation)
3. Diary entry, essay writing, notice and message writing
4. Creating short narratives or dialogues

#### **13.3.5 Unit 5: Grammar and Sentence Structure (20 Hours)**

1. Nouns (பெயர்ச்சொல்), Pronouns (சுட்டுப்பெயர்ச்சொல்), Verbs (வினைச்சொல்)
2. Tenses: Present (நிகழ்காலம்), Past (கடந்தகாலம்), Future (எதிர்காலம்)
3. Sentence construction and transformation
4. Gender, number, case, and proper punctuation

#### **13.3.6 Unit 6: Vocabulary & Idiomatic Usage (14 Hours)**

1. Synonyms (இணைச்சொல்) and Antonyms (எதிர்ச்சொல்)
2. Commonly used idioms (இடப்பெயர்), proverbs (பழமொழிகள்)
3. One-word substitution
4. Cultural and regional expressions used in Tamil society

#### **13.3.7 Unit 7: Functional Tamil (14 Hours)**

1. Report writing and advertisement drafts
2. Invitation card writing, public announcements
3. Preparing posters, slogans, and wall notices
4. Form filling (school, job, banking, etc.)

#### 13.3.8 Unit 8: Project / Portfolio (10 Hours)

1. Writing or recording a traditional story from the learner's village
2. Reciting a Thirukkural or Aathichoodi verse with explanation
3. Poster creation for a social cause or cultural event
4. Preparing a handwritten Tamil journal with personal reflections and creative works

#### 13.4 Assessment Pattern

1. **Internal Assignment (20%)** – Dictation, recitation, oral storytelling, vocabulary exercises
2. **Written Exam (60%)** – Grammar, comprehension, writing tasks
3. **Project/Portfolio (20%)** – Poster or booklet, oral presentation, cultural report

#### 13.5 Learning Outcome

1. The learner achieves fluency in Tamil suited to personal, academic, and local community contexts.
2. Gains insight into Tamil heritage and is ready to engage with modern Tamil literature and communication settings.

## **14.0 Telugu**

**Subject:** Telugu (తెలుగు)

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRF Level:** 3

### **14.1 Curriculum Objectives (NCF 2005 aligned):**

1. Enable learners to read, write, speak, and understand Telugu with fluency.
2. Promote appreciation of Telugu literature, poetry, and cultural traditions.
3. Equip learners to use the language functionally in academic and workplace settings.
4. Foster expression and creativity through classical and contemporary Telugu forms.

## 14.2 Unit-Wise Syllabus Breakdown

Unit No.	Title	Topics / Subtopics	Hours
1	Listening Skills	Listening to Telugu folk stories, rhymes, moral stories, public speeches, audio comprehension	12
2	Speaking Skills	Self-introduction, daily conversation, storytelling, short speech on community issues	16
3	Reading Comprehension	Classical poems (Vemana padyalu), stories by Gurajada Apparao, newspaper articles, festival essays	18
4	Writing Skills – Basic	Paragraphs, essays, letters (formal/informal), applications, diary entries, and notice writing	16
5	Grammar and Sentence Structure	Nouns (నామాలు), verbs (క్రియలు), tenses, gender, number, punctuation, sentence formation	20

6	Vocabulary and Expression	Synonyms, antonyms, idioms (సామెతలు), one-word substitutions, traditional expressions	14
7	Functional Telugu	Poster making, slogan writing, advertisements, invitation writing, form filling	14
8	Project / Portfolio	Documentation of local stories, culture-based essays, creative writing, recitation with meaning	10

### 14.3 Unit-Wise Syllabus Breakdown

#### 14.3.1 Unit 1: Listening Skills (12 Hours)

1. Listening to Telugu folk tales, devotional songs, proverbs, and instructions
2. Audio comprehension of everyday conversations and moral stories
3. Listening to speeches by famous Telugu personalities (e.g., Gurajada Apparao)

#### 14.3.2 Unit 2: Speaking Skills (16 Hours)

1. Self-introduction and basic social interaction
2. Role-play and storytelling from Telugu folklore
3. Group discussions on local festivals, village life, and traditions
4. Public speaking: Expressing ideas and giving short talks

#### **14.3.3 Unit 3: Reading Comprehension (18 Hours)**

1. Classical poetry: Vemana padyalu, Bhakta Ramadasu keerthanalu
2. Prose: Short stories from Telugu literature and biographies
3. Reading and summarizing newspaper articles
4. Understanding moral values and social themes from literature

#### **14.3.4 Unit 4: Writing Skills – Basic (16 Hours)**

1. Paragraph writing on nature, school life, family, and festivals
2. Essay writing: My Village, Role of Mother Tongue, My Favourite Book
3. Letter writing (formal/informal) and application writing
4. Diary entries and creative writing practice

#### **14.3.5 Unit 5: Grammar and Sentence Structure (20 Hours)**

1. Parts of speech (నామాలు, కీయలు, విశేషణాలు)
2. Sentence types and sentence construction
3. Use of tenses (వర్తమాన, భవిష్యత్, గత కాలం)
4. Singular/plural, gender, and punctuation

#### **14.3.6 Unit 6: Vocabulary & Idiomatic Usage (14 Hours)**

1. Synonyms (పర్యాయ పదాలు) and Antonyms (వియద్ద పదాలు)
2. Proverbs (సామెతలు) and their meanings

3. One-word substitutions and contextual vocabulary
4. Regional expressions and usage

#### **14.3.7 Unit 7: Functional Telugu (14 Hours)**

1. Slogan writing and public announcements
2. Advertisement and poster writing
3. Invitation writing for events and functions
4. Form filling: bank, school, government forms

#### **14.3.8 Unit 8: Project / Portfolio (10 Hours)**

1. Preparing a poster or booklet on a Telugu festival
2. Documenting a traditional folk story or song
3. Poetry recitation with explanation
4. Creating a handwritten literary magazine (కవితలు, కథలు, అభిప్రాయాలు)

### **14.4 Assessment Pattern**

1. **Internal Assignment (20%)** – Oral exercises, dictation, class participation
2. **Written Exam (60%)** – Grammar, comprehension, composition

3. **Project / Portfolio (20%)** – Posters, creative pieces, community interviews

## 14.5 Learning Outcome

The learner acquires linguistic and cultural fluency in Telugu and is able to express ideas in everyday, literary, and functional settings.

Prepares students for further education, cultural engagement, and practical communication in Telugu-speaking environments.

## 15.0 Hindi

**Subject:** Hindi (हिन्दी)

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRF Level:** 3

### 15.1 Curriculum Objectives (NCF 2005 aligned):

1. Develop students' reading, writing, listening, and speaking skills in Hindi.
2. Foster appreciation for Hindi literature, culture, and values.
3. Equip learners with functional Hindi for communication in education, work, and public settings.
4. Encourage creativity and expression through both classical and modern Hindi forms.

## 15.2 Unit-Wise Syllabus

Unit No.	Title	Topics / Subtopics	Hours
1	Listening Skills	Listening to stories, speeches, poems, announcements, and classroom conversations	12
2	Speaking Skills	Self-introduction, storytelling, short speeches, group discussions, and cultural expressions	16
3	Reading Comprehension	Stories and poems by Munshi Premchand, Harivansh Rai Bachchan, Kabir, and modern writers	18
4	Writing Skills – Basic	Paragraphs, essays, formal/informal letters, applications, diary writing, notices	16

5	Grammar and Sentence Structure	<b>Parts of speech (संज्ञा, सर्वनाम, क्रिया), sentence formation, gender, number, tense, punctuation</b>	20
6	Vocabulary & Idiomatic Usage	<b>Synonyms (पर्यायवाची), antonyms (विलोम), idioms (मुहावरे), proverbs (लोकोक्तियाँ), one-word substitutions</b>	14
7	Functional Hindi	Poster and slogan writing, advertisements, official communication, invitation writing	14
8	Project / Portfolio	Story writing, poetry recitation, cultural documentation, heritage poster presentation	10

### 15.3 Unit-Wise Syllabus Breakdown

#### 15.3.1 Unit 1: Listening Skills (12 Hours)

1. Listening to short stories, poems, dialogues, and moral messages
2. Audio comprehension from classroom instructions, news clips, speeches
3. Responding to questions based on audio content

#### 15.3.2 Unit 2: Speaking Skills (16 Hours)

1. Self-introduction and routine conversations

2. Narrating personal experiences and folk stories
3. Group discussions and short speeches on social and cultural topics
4. Oral interpretation of poetry and proverbs

#### **15.3.3 Unit 3: Reading Comprehension (18 Hours)**

1. Reading prose by Munshi Premchand, Bhisham Sahni, Mahadevi Verma, etc.
2. Poetry: Kabir ke Dohe, Harivansh Rai Bachchan, Sumitranandan Pant
3. Reading factual and narrative passages
4. Extracting meaning, summarizing, and answering comprehension questions

#### **15.3.4 Unit 4: Writing Skills – Basic (16 Hours)**

1. Paragraph and essay writing: environment, festivals, daily life, social values
2. Letter writing (formal/informal), applications, diary entries
3. Message writing, notice drafting, story completion exercises

#### **15.3.5 Unit 5: Grammar and Sentence Structure (20 Hours)**

1. संज्ञा (noun), सर्वनाम (pronoun), क्रिया (verb), विशेषण (adjective)
2. लिंग, वचन, काल (gender, number, tense)
3. Active-passive voice, direct-indirect narration
4. Sentence correction and punctuation practice

#### **15.3.6 Unit 6: Vocabulary & Idiomatic Usage (14 Hours)**

1. पर्यायवाची (synonyms), विलोम शब्द (antonyms)
2. मुहावरे (idioms) and लोकोक्तियाँ (proverbs) with contextual usage
3. शब्द भंडार (vocabulary building) and one-word substitutions

#### **15.3.7 Unit 7: Functional Hindi (14 Hours)**

1. Creating posters, slogans for social messages
2. Writing simple advertisements, public notices, invitation cards
3. Filling forms: library, bank, and school-related formats
4. Simple report writing and journal entries

#### **15.3.8 Unit 8: Project / Portfolio (10 Hours)**

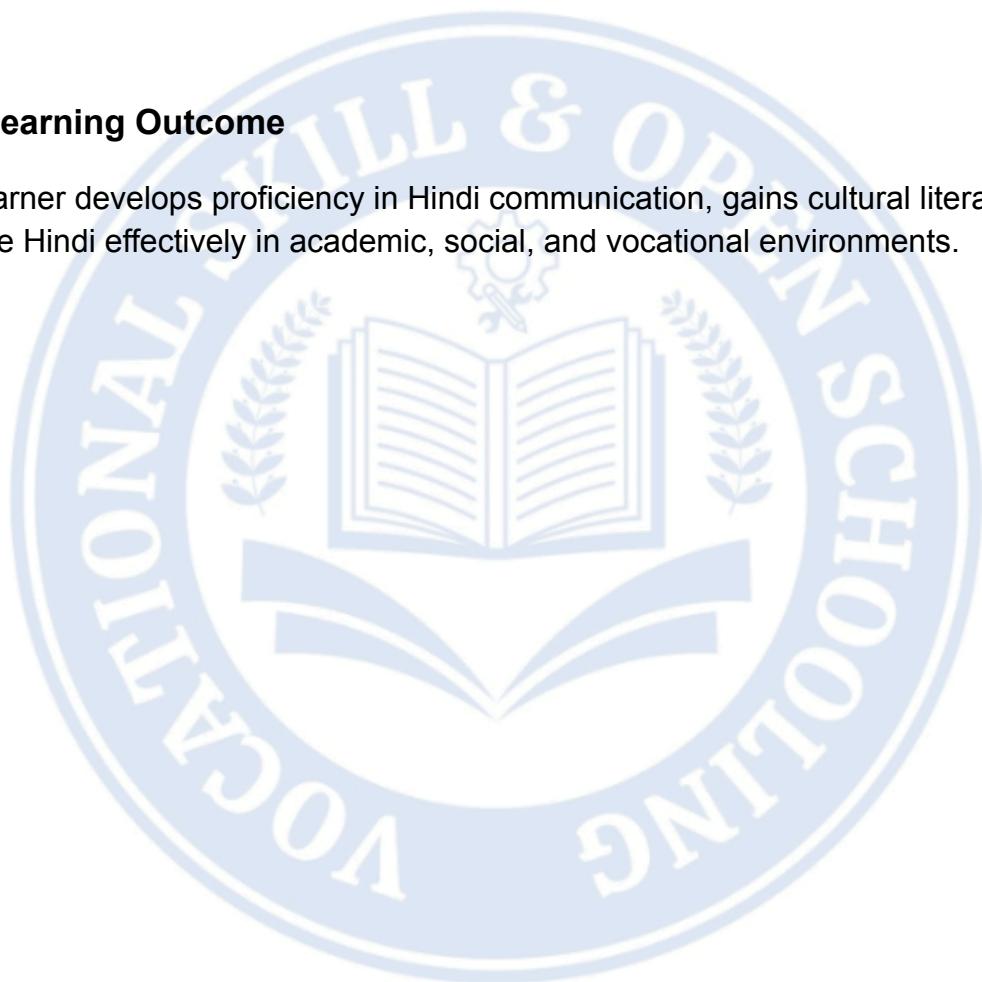
1. Collecting regional proverbs and writing their meanings
2. Poster making for a cultural event
3. Reciting and explaining Hindi poems
4. Writing a short biography or a folk tale booklet

## 15.4 Assessment Pattern

1. **Internal Assessment (20%)** – Dictation, oral tasks, class participation, listening exercises
2. **Written Exam (60%)** – Grammar, comprehension, functional and creative writing
3. **Project / Portfolio (20%)** – Poster making, creative storytelling, local language documentation

## 15.5 Learning Outcome

The learner develops proficiency in Hindi communication, gains cultural literacy, and can use Hindi effectively in academic, social, and vocational environments.



## 16.0 Kannada

**Subject:** Kannada (ಕನ್ನಡ)

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRF Level:** 3

### 16.1 Curriculum Objectives (Aligned with NCF 2005):

- Develop proficiency in reading, writing, speaking, and listening in Kannada.
- Foster appreciation for Kannada literature, cultural heritage, and linguistic identity.
- Enable learners to use Kannada functionally in education, society, and the workplace.
- Strengthen learners' ability to communicate effectively in both formal and informal settings.

## 16.2 Unit-Wise Syllabus

Unit No.	Title	Topics / Subtopics	Hours
1	Listening Skills	Listening to Kannada stories, poems, announcements, proverbs, and oral history	12
2	Speaking Skills	Self-introduction, storytelling, group discussions, describing daily routines, short speeches	16
3	Reading Comprehension	Reading prose and poetry by Kuvempu, Bendre, Shivaram Karanth, and newspaper passages	18
4	Writing Skills – Basic	Paragraph writing, formal/informal letters, essay, diary entry, applications, notices	16
5	Grammar and Sentence Structure	Nouns (ನಾಮವರ्तಗಳು), verbs (ಕ್ರಿಯಾವರ्तಗಳು), sentence types, tenses, punctuation, active/passive voice	20

6	Vocabulary & Idiomatic Usage	Synonyms (ವಯಾಖ್ಯಾ ಪದಗಳು), antonyms (ವಿರುದ್ಧ ಪದಗಳು), idioms (ನಾಣ್ಣದಿ), proverbs (ಗಾದೆಗಳು)	14
7	Functional Kannada	Report writing, slogans, advertisements, form filling, invitations, and writing for daily use	14
8	Project / Portfolio	Writing a village story, poster making, poem recitation, documenting a local custom or festival	10

### 16.3 Unit-Wise Syllabus Breakdown

#### 16.3.1 Unit 1: Listening Skills (12 Hours)

1. Listening to folk stories, speeches, proverbs, and songs in Kannada
2. Understanding classroom instructions, announcements, and directions
3. Comprehension of short audio clips and storytelling

#### 16.3.2 Unit 2: Speaking Skills (16 Hours)

1. Self-introduction and casual conversation
2. Storytelling based on Kannada folklore or personal experience
3. Participating in classroom dialogue, debates, and role play
4. Giving short speeches on local festivals or issues

#### 16.3.3 Unit 3: Reading Comprehension (18 Hours)

1. Reading prose by authors like Kuvempu, Shivaram Karanth, and Bendre

2. Understanding poems, articles, and factual texts
3. Extracting the main idea, summarizing, and answering comprehension questions
4. Reading and interpreting news headlines and short reports

#### **16.3.4 Unit 4: Writing Skills – Basic (16 Hours)**

1. Paragraph writing on home, nature, festivals, or school life
2. Essay writing on personal and social topics
3. Letter writing (formal and informal), diary entry, and notice writing
4. Practice in writing applications and short reports

#### **16.3.5 Unit 5: Grammar and Sentence Structure (20 Hours)**

1. Parts of speech (ನಾಮಪದ, ಶ್ರಯಾಪದ, ವಿಜ್ಞಾನಪದ)
2. Sentence formation and types of sentences
3. Use of tenses (ತಾಲಗೆಳು), gender (ಲೊಗೆ), number (ವರ್ಜನ)
4. Punctuation and transformation of sentences
5. Voice change and reported speech basics

#### **16.3.6 Unit 6: Vocabulary and Idiomatic Usage (14 Hours)**

1. Synonyms (ವಯಾಂಯ ವದಗೆಳು) and antonyms (ವಿರುದ್ಧ ವದಗೆಳು)
2. Idioms (ನಾಣ್ಣದಿ) and proverbs (ಗಾದೆಗೆಳು) with meaning and usage
3. One-word substitutions and sentence framing using vocabulary
4. Contextual vocabulary enhancement from readings

#### **16.3.7 Unit 7: Functional Kannada (14 Hours)**

1. Writing advertisements and slogans
2. Poster and invitation creation
3. Filling out simple forms (library card, bank, school admission)
4. Drafting notices and small community reports

#### **16.3.8 Unit 8: Project / Portfolio (10 Hours)**

1. Preparing a storybook or documentation of a local festival
2. Writing and presenting a poem or a song
3. Making a cultural poster in Kannada
4. Creating a personal vocabulary journal or learning diary

### **16.4 Assessment Pattern**

1. **Internal Assessment (20%)** – Oral fluency, vocabulary practice, classroom activities
2. **Written Examination (60%)** – Grammar, comprehension, and functional writing
3. **Project / Portfolio (20%)** – Cultural projects, storytelling, poster or poem presentation

## 16.5 Learning Outcome

1. Learner gains confidence and fluency in Kannada for academic, social, and work-based communication.
2. Can engage with Kannada literature, culture, and functional writing tasks effectively.
3. Prepares students for further studies or language-based vocational roles.

## 17.0 Malayalam

**Subject:** Malayalam (മലയാളം)

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRF Level:** 3

### 17.1 Curriculum Objectives (NCF 2005 aligned):

1. Develop functional and expressive command over listening, speaking, reading, and writing in Malayalam.
2. Promote appreciation of Malayalam literature, heritage, and cultural identity.
3. Enable communication in personal, academic, and community settings using clear and appropriate language.
4. Encourage learners to explore Kerala's rich folk, poetic, and literary traditions.

## 17.2 Unit-Wise Syllabus

Unit No.	Title	Topics / Subtopics	Hours
1	Listening Skills	Listening to Malayalam stories, news, conversations, poems, and classroom instructions	12
2	Speaking Skills	Self-introduction, describing experiences, storytelling, role play, discussion on local issues	16
3	Reading Comprehension	Reading prose by Vaikom Muhammad Basheer, Thakazhi, short articles, poems by Sugathakumari, ONV Kurup	18
4	Writing Skills – Basic	Paragraph writing, informal/formal letters, essay, diary writing, notice, and application writing	16
5	Grammar and Sentence Structure	Nouns (നാമം), Verbs (ക്രിയ), Tenses (കാലം), sentence correction, punctuation	20

6	Vocabulary & Idiomatic Usage	Synonyms (പര്യായപദങ്ങൾ), antonyms (വിലോമപദങ്ങൾ), idioms (പ്രയോഗങ്ങൾ), proverbs (പഴങ്ങളാലുകൾ)	14
7	Functional Malayalam	Slogans, posters, advertisements, form filling, simple reports, and invitations	14
8	Project / Portfolio	Reciting a poem, documenting a local festival or story, creating a language journal	10

### 17.3 Unit-Wise Syllabus Breakdown

#### 17.3.1 Unit 1: Listening Skills (12 Hours)

1. Listening to Malayalam short stories, folk songs, poems, speeches
2. Understanding classroom instructions and conversation
3. Audio comprehension exercises based on real-life dialogues and news clips

#### 17.3.2 Unit 2: Speaking Skills (16 Hours)

1. Self-introduction and daily interactions
2. Storytelling (കഥാപ്രസംഗം) and role play based on real-life scenarios
3. Giving short speeches and participating in classroom discussions
4. Speaking on festivals, family, environment, and daily life topics

#### 17.3.3 Unit 3: Reading Comprehension (18 Hours)

1. Reading prose by famous Malayalam writers like Vaikom Muhammad Basheer, M.T. Vasudevan Nair
2. Understanding poems by ONV Kurup, Balamani Amma, and Sugathakumari
3. Summarizing newspaper articles and short informational passages
4. Answering comprehension questions and identifying main ideas

#### **17.3.4 Unit 4: Writing Skills – Basic (16 Hours)**

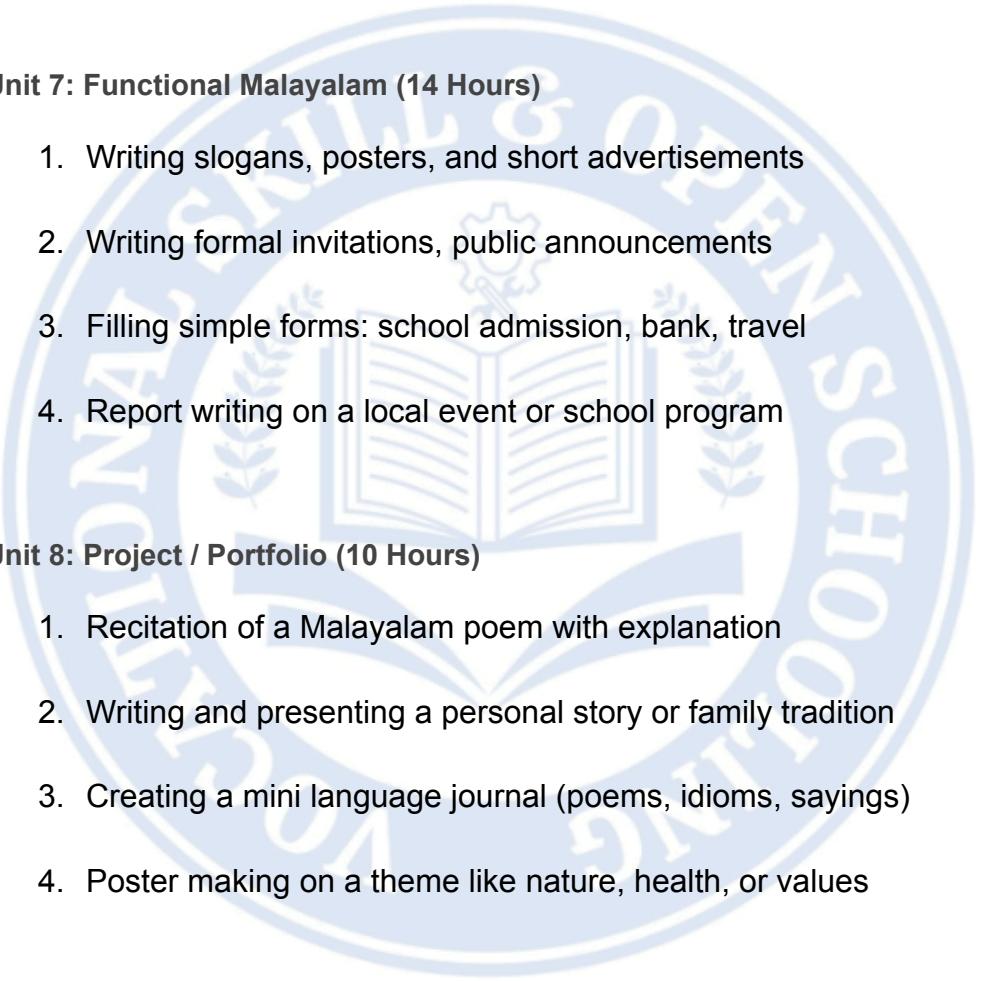
1. Paragraph writing on school life, environment, values
2. Essay writing: My Village, A Festival in Kerala, Importance of Nature
3. Letter writing: informal (to family/friends) and formal (school, municipality)
4. Application and diary entry writing

#### **17.3.5 Unit 5: Grammar and Sentence Structure (20 Hours)**

1. Types of words: Nouns (നാമം), Verbs (ആഘ്യ), Adjectives (വിശേഷണം), Adverbs (ആവിശേഷണം)
2. Use of Tenses (കാലങ്ങൾ): Present, Past, Future
3. Gender (ലിംഗം), Number (വചനങ്ങൾ), Sentence formation
4. Voice (കർമ്മവാക്യം), Direct and indirect speech, punctuation marks

#### **17.3.6 Unit 6: Vocabulary and Idiomatic Usage (14 Hours)**

1. Synonyms (പര്യായപദങ്ങൾ) and Antonyms (വിലോമപദങ്ങൾ)
2. Idioms and Proverbs (പ്രയോഗങ്ങൾ, പഴയവാലുകൾ)
3. One-word substitutions (ഒക്കപദപ്രയോഗം)



4. Creating vocabulary notebooks and games

#### 17.3.7 Unit 7: Functional Malayalam (14 Hours)

1. Writing slogans, posters, and short advertisements
2. Writing formal invitations, public announcements
3. Filling simple forms: school admission, bank, travel
4. Report writing on a local event or school program

#### 17.3.8 Unit 8: Project / Portfolio (10 Hours)

1. Recitation of a Malayalam poem with explanation
2. Writing and presenting a personal story or family tradition
3. Creating a mini language journal (poems, idioms, sayings)
4. Poster making on a theme like nature, health, or values

### 17.4 Assessment Pattern

1. **Internal Assessment (20%)** – Oral practice, reading log, grammar tasks
2. **Written Exam (60%)** – Comprehension, grammar, composition
3. **Project / Portfolio (20%)** – Story documentation, creative writing, cultural poster or report

## 17.5 Learning Outcome

1. Learners develop fluency and understanding of Malayalam language and culture.
2. Capable of communicating clearly in real-life, educational, and work-based Malayalam contexts.
3. Ready for further academic progression and community participation.

## 18.0 Marathi

**Subject:** Marathi (मराठी)

**Duration:** 120 Hours

**Credits:** 4

**Mapped NCRF Level:** 3

### 18.1 Curriculum Objectives (Aligned with NCF 2005):

1. Develop proficiency in listening, speaking, reading, and writing in Marathi.
2. Foster appreciation for Marathi literature, folk traditions, and cultural heritage.
3. Enable effective communication in academic, personal, and professional settings.
4. Encourage expression and creativity through functional and literary use of the language.

## 18.2 Unit-Wise Syllabus Breakdown

Unit No.	Title	Topics / Subtopics	Hours
1	Listening Skills	Folk tales, moral stories, poems, announcements, dialogues, speeches	12
2	Speaking Skills	Self-introduction, storytelling, daily interactions, discussion on local topics	16
3	Reading Comprehension	Prose and poems by Kusumagraj, P.L. Deshpande, Bahinabai, short articles from newspapers	18
4	Writing Skills – Basic	Paragraph writing, formal/informal letters, essays, diary entries, notices, applications	16
5	Grammar and Sentence Structure	<b>Nouns (नाम), verbs (क्रियापद), tenses (काल), gender, number, sentence construction, punctuation</b>	20

6	Vocabulary & Idiomatic Usage	<b>Synonyms (पर्याय), antonyms (विरुद्धार्थी), idioms (मुहावरे), proverbs (कोटी), one-word substitutions</b>	14
7	Functional Marathi	Poster making, report writing, advertisements, slogans, invitation cards, form filling	14
8	Project / Portfolio	Writing a village story, documenting a local event or festival, poem recitation with meaning	10

### 18.3 Unit-Wise Syllabus Breakdown

#### 18.3.1 Unit 1: Listening Skills (12 Hours)

1. Listening to Marathi folk stories (लोककथा), poems, and traditional songs
2. Comprehending classroom instructions and conversations
3. Audio clips from speeches, plays, and interviews

#### 18.3.2 Unit 2: Speaking Skills (16 Hours)

1. Self-introduction and casual dialogues
2. Describing people, events, festivals, or daily routines
3. Storytelling from Marathi folklore
4. Group discussion on local issues or cultural events

#### 18.3.3 Unit 3: Reading Comprehension (18 Hours)

1. Prose by P.L. Deshpande, Kusumagraj, Vinda Karandikar
2. Poems by Bahinabai, Sant Tukaram, and modern writers
3. Understanding news reports and reading informational passages
4. Summarizing stories and answering comprehension questions

#### 18.3.4 Unit 4: Writing Skills – Basic (16 Hours)

1. Paragraph writing on school, nature, festivals, social values
2. **Essay writing (e.g. माझं गाव, माझं शाळा, स्वच्छता अभियान)**
3. Formal/informal letters and diary writing
4. Notice and application writing

#### 18.3.5 Unit 5: Grammar and Sentence Structure (20 Hours)

1. **Parts of speech (नाम, सर्वनाम, क्रियापद, विशेषण)**
2. **Gender (लिंग), number (वचन), tense (काल)**
3. Sentence structure and transformation
4. Direct-indirect speech, punctuation marks

#### 18.3.6 Unit 6: Vocabulary & Idiomatic Usage (14 Hours)

1. **पर्याय (synonyms) and विरुद्धार्थी (antonyms)**
2. **मुहावरे (idioms) and कोटी/लोकोक्ती (proverbs)**
3. One-word substitutions and contextual vocabulary

4. Practice through matching, fill-in-the-blanks, word games

#### **18.3.7 Unit 7: Functional Marathi (14 Hours)**

1. Writing slogans, short reports, and advertisements
2. Poster creation and speech writing
3. Invitation card writing for functions/events
4. Form filling: banking, school, and government services

#### **18.3.8 Unit 8: Project / Portfolio (10 Hours)**

1. Recitation of a poem with meaning
2. Writing a local story or biography of a Marathi personality
3. Poster on environment, health, or Marathi literature
4. Preparing a personal journal in Marathi

### **18.4 Assessment Pattern**

1. **Internal Assessment (20%)** – Oral tasks, vocabulary, reading activities
2. **Written Examination (60%)** – Grammar, comprehension, written expression
3. **Project / Portfolio (20%)** – Poster or creative writing, oral presentation, cultural reflection

## 18.5 Learning Outcome

1. Learner demonstrates competence in Marathi communication in various life settings.
2. Gains literary and cultural knowledge relevant to the Marathi-speaking region.
3. Ready for further studies and workplace interaction in Marathi.

