

Navodaya Class 9 Syllabus: Subject-wise Topics & Exam Pattern*

Navodaya Class 9 Syllabus is the first thing every student should check before preparing for the Jawahar Navodaya Vidyalaya Class 9 Lateral Entry Selection Test (LEST). The syllabus helps students understand which topics they need to study. According to the official Navodaya Vidyalaya Samiti (NVS) prospectus, the entrance test is based on the **Class 8 syllabus**. Therefore, students should prepare all important Class 8 topics in Mathematics, Science, English, and Hindi.

Navodaya Class 9 Exam Pattern

Students should know the exam pattern before starting their preparation. It helps them understand the weightage of each subject and plan their study schedule.

Subject	Questions	Marks
Mathematics	35	35
Science	35	35
English	15	15
Hindi	15	15
Total	100	100

Navodaya Class 9 Mathematics Syllabus

Mathematics is the most important subject in the **Navodaya Class 9 Syllabus**. It carries **35 marks** out of 100. Therefore, students should prepare this subject carefully. According to the official Navodaya Vidyalaya Samiti (NVS) Class IX Lateral Entry Prospectus, the Mathematics section is based on the **Class 8 syllabus**.

The questions check your understanding of concepts, calculations, and problem-solving skills. Hence, revise every topic with regular practice.

The official Mathematics syllabus includes the following topics:

1. Rational Numbers
2. Squares and Square Roots
3. Cubes and Cube Roots
4. Exponents and Powers
5. Direct and Inverse Proportions
6. Comparing Quantities (Percentage, Profit and Loss, Discount, Simple and Compound Interest)
7. Algebraic Expressions and Identities including Factorization
8. Linear Equations in One Variable
9. Understanding Quadrilaterals (Parallelogram, Rhombus, Rectangle, Square, Kite)

10. Mensuration:

a) Area of plane figures

b) Surface area and volume of cube, cuboids and cylinder

11. Data Handling (Bar graph, pie chart, organizing data, probability)

Note: These topics are taken from the official Class IX Lateral Entry Selection Test syllabus issued by Navodaya Vidyalaya Samiti and are based on the Class VIII curriculum.

Navodaya Class 9 Science Syllabus

Science is another high-scoring subject in the **Navodaya Class 9 Syllabus**. It carries **35 marks** in the entrance examination. Therefore, students should prepare every topic carefully. According to the official Navodaya Vidyalaya Samiti (NVS) Class IX Lateral Entry Prospectus, the Science section is based on the **Class 8 syllabus**.

The questions test your understanding of scientific concepts and their applications in daily life. Hence, regular revision and practice are essential.

The official Science syllabus includes the following topics:

Chapters with All Topics in JNV Science Subjects

Chapter No.	Chapter Name	Topics Covered
1.	Crop Production and Management	Agricultural Practices, Basic Practices of Crop Production, Preparation of Soil, Agricultural Implements, Sowing, Adding Manures and Fertilizers, Irrigation, Protection from Weeds, Harvesting, Storage, Food from Animals
2.	Microorganisms: Friend and Foe	Microorganisms, Where Do Microorganisms Live, Microorganisms and Us, Harmful Microorganisms, Food Preservation, Nitrogen Fixation, Nitrogen Cycle
3.	Coal and Petroleum	Coal, Petroleum, Natural Gas, Some Natural Resources are Limited
4.	Combustion and Flame	What is Combustion?, How do We Control Fire?, Types of Combustion, Flame, Structure of Flame, What is a Fuel, Fuel Efficiency
5.	Conservation of Plants and Animals	Deforestation and its Causes, Consequences of Deforestation, Conservation of Forest and Wildlife, Biosphere Reserve, Flora and Fauna, Endemic Species, Wildlife Sanctuary, National Park, Red Data Book, Migration, Recycling of Paper, Reforestation
6.	Reproduction in Animals	Modes of Reproduction, Sexual Reproduction, Asexual Reproduction
7.	Reaching the Age of Adolescence	Adolescence and Puberty, Changes at Puberty, Secondary Sexual Characters, Role of Hormones in Initiating Reproductive Function, Reproductive Phase of Life in Humans, How is the Sex of the Baby Determined?, Hormones Other than Sex Hormones, Role of Hormones in Completing the Life History of Insects and Frogs, Reproductive Health
8.	Force and Pressure	Force – A Push or a Pull, Forces are due to an Interaction, Exploring Forces.

Chapter No.	Chapter Name	Topics Covered
		A Force can Change the State of Motion, Force can Change the Shape of an Object, Contact Forces, Non-contact Forces, Pressure, Pressure Exerted by Liquids and Gases; Atmospheric Pressure
9.	Friction	Force of Friction, Factors Affecting Friction, Friction: A Necessary Evil, Increasing and Reducing Friction, Wheels Reduce Friction, Fluid Friction
10.	Sound	Sound is Produced by a Vibrating Body, Sound Produced by Humans, Sound Needs a Medium for Propagation, We Hear Sound Through Our Ears, Amplitude, Time Period and Frequency of a Vibration, Audible and Inaudible Sounds, Noise and Music, Noise Pollution,
11.	Chemical Effects of Electric Current	Do Liquids Conduct Electricity?, Chemical Effects of Electric Current. Electroplating
12.	Some Natural Phenomena	Lightning, Charging by Rubbing, Types of Charges and their Interaction, Transfer of Charge, The Story of Lightning, Lightning Safety, Earthquakes
13.	Light	What Makes Things Visible, Laws of Reflection, Regular and Diffused Reflection, Reflected Light can be Reflected Again, Multiple Images, Sunlight - White or Coloured?, What is Inside Our Eyes, Care of the Eyes, Visually Impaired Persons can Read and Write, What is the Braille System?

Note: The above topics are taken from the official Navodaya Vidyalaya Samiti Class IX Lateral Entry Selection Test syllabus and are based on the Class VIII Science curriculum.

Navodaya Class 9 English Syllabus

English carries **15 marks** in the Navodaya Class 9 entrance examination. The questions mainly test reading skills, grammar, vocabulary, and sentence formation. Students should strengthen their basic English concepts to score well.

The official English syllabus includes the following topics:

1. Comprehension (Unseen Passage)
2. Word and Sentence
3. Structure and Spelling
4. Rearranging Jumbled Words
5. Passivation (Active and Passive Voice)
6. Use of Degrees of Comparison
7. Modal Auxiliaries
8. Use of Prepositions
9. Tense Forms
10. Reported Speech (Direct and Indirect Speech)

Navodaya Class 9 Hindi Syllabus

Hindi carries **15 marks** in the Navodaya Class 9 Lateral Entry Selection Test. The questions are based on the **Class 8 Hindi syllabus**. Students should focus on grammar, vocabulary, reading skills, and language usage. Regular practice of unseen passages and grammar questions can help improve scores.

According to the official NVS Class IX Lateral Entry Prospectus, the Hindi section includes the following topics:

(क) भाषिक अनुप्रयोग और व्याकरणिक कुशलताएँ

1. वर्ण विचार / वर्तनी विवेक
2. शब्दभेद (स्त्रोत / उत्पत्ति)
3. पर्याय/विलोम
4. शब्द विवेक (शब्द प्रयोग में सूक्ष्म अंतर)
5. पद भेद (व्याकरणिक कोटि) की पहचान
6. पद परिचय
7. अशुद्ध वाक्य को शुद्ध करना
8. वाक्य रचनान्तरण (सरल / संयुक्त / मिश्र)
9. मुहावरा
10. लोकोक्ति

(ख) अपठित बोधात्मक प्रश्न

Parents also like to read: [Sainik School Class 9 Syllabus](#)

***Note:** We always recommend that verify all the topics from official website as per recent syllabus before starting the preparation because it may be that you will have received this PDF after a long time publishing on our website.

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