

**DAV PUBLIC SR SEC SCHOOL , BHAROLI**

**ENTRANCE TEST SYLLABUS**

**CLASSES: 1<sup>st</sup> to 9<sup>th</sup> & 11<sup>th</sup>**

**CLASS 1<sup>st</sup>**  
**SYLLABUS OF ENTRANCE EXAM**

**ENGLISH- Fruits name, vegetables name, colours name, domestic animals name, Myself**

**HINDI - रंगों के नाम, जानवरों के नाम, सब्जियों के नाम, फलों के नाम**

**MATHS- Table of 2,3,4, sums of addition and subtraction, Number name 1 to 30**

**D A V PUBLIC SR. SEC SCHOOL BHAROLI (NADAUN)**

**CLASS 2<sup>ND</sup>**

**SYLLABUS FOR ENTRANCE TEST**

**SUBJECT ENGLISH**

- Five lines on Myself
- Months' Name
- Use of He, She or It.
- Use of is or are
- Change one into many
- Days of Week
- Use of 'a' or 'an'
- Paragraph Reading

**SUBJECT MATHEMATICS**

- Tables from 2 to 10
- Number Name from 1 to 100
- Insert missing numbers
- What comes just Before, After, Between
- Sums of addition and subtraction (two digits)
- Ascending order, Descending order
- Puzzle counting from 401 to 500

**SUBJECT HINDI**

- सप्ताह के दिनों के नाम
- मात्राएँ आ से अं तक
- समान लय वाले शब्द
- एक – अनेक
- महीनों के नाम
- विपरीत शब्द
- Paragraph Reading

## SYLLABUS FOR ENTRANCE TEST

CLASS: 3<sup>rd</sup>

### English

- Opposite words
- Make sentences
- Match the rhyming words
- Rearrange the jumble words
- Use of 'a' and 'an'
- Change into many
- Use of is, am, are
- Paragraph reading

### Mathematics

- Number names 101 to 300
- Addition and subtraction
- What comes before, after and between
- $<$ ,  $>$  or  $=$
- Ascending and descending order
- Missing numbers
- Dodging tables 2 to 15

### Hindi

- Paragraph reading
- विपरीत शब्द
- समान लय वाले शब्द
- वचन बदलो
- लिंग बदलो

**DAV PUBLIC SEN. SEC. SCHOOL, BHAROLI (NADAUN)**

**Entrance Test Syllabus**

**Class :4<sup>th</sup>**

<b>ENGLISH</b>	
1.	Nouns
2.	Pronouns
3.	Adjectives
4.	Genders
5.	Change the numbers
6.	Application Writing
7.	Essay Writing

**Subject - MATHEMATICS**

1.	Addition	Addition of 3-digits numbers, Regrouping, Properties, Word problems
2.	Subtraction	Subtraction of 3-digits number, Regrouping, Properties, Word problems
3.	Multiplication	Multiplication of 3-digits by 2-digit, Properties , Word problems
4.	Division	Division of 2-digits by 1-digit, Word problems, Properties , Word problems
5.	Length	Conversion, Addition and subtraction, Word problems

**SCIENCE**

1.	My Body
2.	Plants
3.	Water
4.	Food

## SYLLABUS FOR ENTRANCE EXAM

Class: 5<sup>th</sup>

<b>SUBJECT : ENGLISH</b>		
<b>Sr. No</b>	<b>Topics</b>	
1.	Noun	
2.	Present/ Past continuous/simple Tense	
3.	Articles	
4.	Preposition	
5.	Change the number	
6.	Change the Gender	
7.	Essay Writing	
8.	Application Writing	
<b>SUBJECT : MATHEMATICS</b>		
1.	Numbers	Number names, Place value, Expanded form, Smallest and greatest numbers
2.	Addition	Addition of 4- digit numbers, Regrouping, Properties, Word problems
3.	Subtraction	Subtraction of 4-digits number, Regrouping, Properties, Word problems
4.	Multiplication	Multiplication of 3-digits by 3-digit, Properties, Word problems
5.	Division	Division of 3-digits by 2-digit, Word problems, properties
6.	Length	Conversion, Addition and Subtraction, Word problems
<b>SUBJECT : SCIENCE</b>		
1.	My Body	
2.	Plants	
3.	Water	
4.	Food	

## SYLLABUS FOR ENTRANCE EXAM

CLASS : 6<sup>th</sup>

<b>SUBJECT: ENGLISH</b>		
1.	NOUN	
2.	PRONOUN	
3.	VERB	
4.	ADVERB	
5.	SENTENCE	
6.	ADJECTIVES	
7.	MODALS	
8.	DETERMINERS	
9.	APPLICATION	
10.	PARAGRAPH	
<b>SUBJECT: MATHEMATICS</b>		
1.	PERCENTAGE	CONVERSIONS AND FINDING THE PERCENT OF A NUMBER
2.	MULTIPLE AND FACTORS	EVEN AND ODD NUMBERS, COMMON MULTIPLES AND FACTORS
3.	MULTIPLICATION AND DIVISION OF DECIMAL NUMBERS	MULTIPLICATION AND DIVISION OF DECIMAL NUMBERS, CONVERSION OF FRACTION INTO A DECIMAL NUMBER
4.	PROFIT AND LOSS	DETERMINING SELL PRICE AND COST PRICE
5.	SIMPLE INTEREST	SIMPLE INTEREST , CONCEPT OF AMOUNT
<b>SUBJECT : SCIENCE</b>		
1.	MY BODY	
2.	PLANTS	
3.	WATER	
4.	FOOD	
5.	FOREST	

**SYLLABUS FOR ENTRANCE EXAM**  
**CLASS : 7<sup>th</sup>**

<b>SUBJECT: ENGLISH</b>		
Sr. No.	Topics	
1.	Tenses	
2.	Articles	
3.	Sentences	
4.	Prepositions	
5.	Subject- Verb Agreement	
6.	Paragraph	
7.	Formal / Informal Letters	
<b>SUBJECT: MATHEMATICS</b>		
1.	Percentage and its applications	More about percentage, profit and loss, Simple Interest
2.	Introduction to Algebra	Operations on Algebraic expressions and finding the value of an Algebraic Expression
3.	Linear Equations	Solving Linear Equation
4.	Triangles	More about triangles
5.	Perimeter and Area	More about Area and Perimeter
<b>SUBJECT : SCIENCE</b>		
1.	Our Environment	
2.	Food	
3.	Changes around us	
4.	Work and Energy	
5.	Structure and Functions of Living Organism — Plants	
6.	Separation of Substances	

## **Syllabus for Entrance Exam**

**Class : 8th**

### **English :**

- 1) Tenses
- 2) Articles
- 3) Modals
- 4) Active Passive Voice
- 5) Reported Speech
- 6) Paragraph
- 7) Formal / Informal Letter

### **Maths:**

- 1) Rational numbers
- 2) Algebraic expressions
- 3) Linear equations
- 4) Area and perimeter
- 5) Triangle and its properties

### **Science:**

- 1) Nutrition in Living Organisms- Plants
- 2) Nutrition in Living Organisms -Animal and Plant
- 3) Chemical Substances and Processes
- 4) Weather, Climate and Adaptations of Animals to Climate
- 5) Forest

## Syllabus for Entrance Examination

Class : IX

Subject : English

- 1) Tenses
- 2) Voices
- 3) Modals
- 4) Linkers
- 5) Narration
- 6) Paragraph
- 7) Formal / Informal Letter

**Subject : Maths**

### Topics:

- 1) Squares and square roots
- 2) Exponents and radicals
- 3) Algebraic identities
- 4) Linear equations
- 5) Mensuration
- 6) Polynomials

### Subject: SCIENCE

Chapter 1	THE CELL- ITS STRUCTURE AND FUNCTIONS comprehend and understand the basic unit of life. differentiate between plant cell and animal cell describe various cell-organelles and their functions in the cell.	
Chapter 2	MICRO-ORGANISMS-FRIENDS OR FOES know about the different types of micro-organisms and their habitats. contrast the role of micro-organisms as friends or foes. understand the concept of food preservation and apply its techniques.	
Chapter 3	METALS AND NON - METALS	

	<p>know about different types of synthetic fibres and plastics and their properties, advantages and disadvantages.</p> <p>differentiate between thermoplastics and thermosetting plastics. sensitise towards the damage caused by plastic waste and measures to control the damage.</p>	
Chapter 11	<p><b>REPRODUCTION IN ANIMALS</b></p> <p>learn the various modes of reproduction in animals.</p> <p>differentiate between male and female reproductive system, differentiate between oviparous and viviparous animals.</p>	
Chapter 12	<p><b>REACHING THE AGE OF ADOLESCENCE</b></p> <p>analyse the problems of adolescence.</p> <p>understand emotional, physiological changes that takes place during adolescence.</p> <p>know the importance of hormones in life cycle of different organisms.</p>	
Chapter 13	<p><b>ELECTRIC CURRENT AND ITS CHEMICAL EFFECT</b></p> <p>understand the concept of electrolyte, cause of conductivity and chemical effects of electric current and its applications. understand chemical effects of electric current and its applications.</p> <p>know about electromagnetic induction.</p>	

classify elements and learn about their occurrence in nature.  
understand the different physical properties of metals/ non-  
metals and their applications based on these properties.  
Differentiate between chemical behaviour of metals/nonmetals  
towards air, water and acids  
relate displacement reaction of metals with reactivity series.  
comment upon noble metals and uses of metals, nonmetals and  
alloys

Chapter 4

**FORCE AND PRESSURE**

define, identify and classify force and its types.  
understand the concept of pressure and its  
applications relate force with pressure

Chapter 5

**FRICTION**

identify various types of friction.  
appreciate that friction is a necessity as well as a  
nuisance. understand methods of increasing and  
decreasing friction

Chapter 6

**SOURCES OF ENERGY**

classify the sources of energy on the basis of their  
occurrence, physical state and availability.  
understand what are fossil fuels, their occurrence in nature  
and their processing.  
apply the knowledge of different types of fuels to understand  
the importance of cleaner fuels and alternative sources of  
energy.

Chapter 7

**REFRACTION AND DISPERSION OF LIGHT**

understand the concept of refraction using various optical  
devices and its causes.  
draw and identify images formed by concave and convex  
lens. know the uses of lens in various fields

Chapter 8

**THE HUMAN EYE**

draw the structure and appreciate the function of the human  
eye. understand the various defects of vision and ways to  
take care of eyes.  
be sensitized towards the resources available for  
visually challenged.

Chapter 9

**SOUND ;**

know the mechanism of production of sound by  
humans and various animals.  
understand the structure of ear and persistence of hearing  
identify causes and effects of noise pollution and ways to  
limit noise pollution.

Chapter  
10

**SYNTHETIC FIBRES AND PLASTICS**

understand what are synthetic fibres. ”

**DAV Public Sr. Sec. School, Bharoli (Nadaun) Entrance test Syllabus**  
**Class :- 11<sup>th</sup>**

<b>S.NO.</b>	<b>PHYSICS</b>
<b>1.</b>	<b>LIGHT-REFLECTION AND REFRACTION</b>
<b>2.</b>	<b>ELECTRICITY</b>
<b>3.</b>	<b>MAGNETIC EFFECTS OF ELECTRIC CURRENT</b>
	<b>CHEMISTRY</b>
<b>1.</b>	<b>METALS AND NON-METALS</b>
<b>2.</b>	<b>CARBON AND ITS COMPOUNDS</b>
	<b>BIOLOGY</b>
<b>1.</b>	<b>LIFE PROCESSES</b>
<b>2.</b>	<b>HOW DO ORGANISMS REPRODUCE?</b>
<b>3.</b>	<b>HEREDITY</b>
<b>4.</b>	<b>OUR ENVIRONMENT</b>
	<b>MATHEMATICS</b>
<b>1.</b>	<b>QUADRATIC EQUATION</b>
<b>2.</b>	<b>ARITHMETIC PROGRESSION</b>
<b>3.</b>	<b>CO-ORDINATE GEOMETRY</b>
<b>4.</b>	<b>TRIGONOMETRY</b>
<b>5.</b>	<b>SURFACE AREA AND VOLUME</b>
<b>6.</b>	<b>STATISTICS</b>
<b>7.</b>	<b>PROBABILITY</b>

