

SYLLABUS

2019 - 2020

CLASS : IX



**RUKMINI DEVI
PUBLIC SCHOOL**

The school with a difference...

Under the aegis of Seth Pokhar Mal Educational Society

- * Recognized by Directorate of Education, Govt. of NCT, Delhi
- * Permanently Affiliated & Accredited to CBSE, MHRD, Govt. of India
- * Affiliation No. 2730165



Pitampura, Delhi - 110034

Tel : 27314235, 27313693, 64666462

Website : www.rdpschool.edu.in

Email : contact@rdpschool.edu.in

Our Vision : Excellence in Education

Our Mission : To strive for the strong foundation of young learners in the age group of 3+ to 17 years which will facilitate them to become active participants in life long learning and earning by integrating both national and international dimensions in the curriculum supported by the state-of-the-art infrastructure.

Our Philosophy :

"You are a Child of immortality.

Your roots go deep to eternity,

Your reach is unto infinity."

"A child is not a vessel to be filled but a lamp to be lighted."

Mission Statement (2017 - 2022)

"The school will develop a well-knit system to contribute towards Digital India Programme by digitalizing 40% of its processes by 2018 and 60% by 2022 consequently reducing the paper usage and promoting environmental sustainability. The school will contribute toward the clean India mission by organizing frequent cleanliness drives, spreading awareness about hygiene through street plays and other mass awareness programmes."

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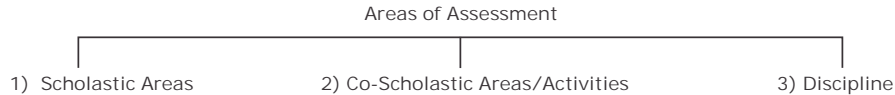
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RUKMINI DEVI PUBLIC SCHOOL
Session: 2019-20 Class: IX

This booklet provides an overview of scholastic and co-scholastic areas to be covered in the academic session of class IX along with concerned syllabi, evaluation system and tentative schedule of the same.

I. INTRODUCTION

The holistic development involves both the scholastic and the co-scholastic areas of pupil's growth. Thus, we try to inculcate the habits of regular study, discipline, sense of responsibility, co-operation, community service and civic consciousness in our children. In order to meet our target of preparing young Rukminians to face the future challenges with confidence, the school believes in preparing and evaluating the students qualitatively in scholastic and co-scholastic areas.



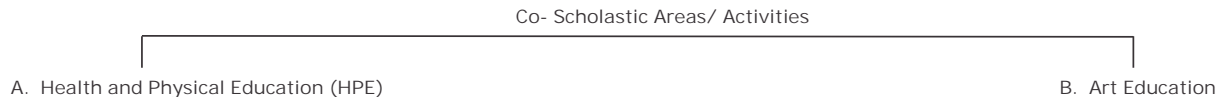
1. **SCHOLASTIC AREAS** : The student will be assessed in 5 academic subjects[#] namely Language I, Language II, Mathematics, Science and Social Science. Regular classes are provided by the school in the above mentioned academic subjects. Students will be evaluated in all the subjects for their understanding comprehensively through Periodic Tests, Notebook submission, Subject enrichment activities and yearly exam (Details mentioned on Page No. 4 - 6). Marks and grades both will be awarded for individual subjects as per the given grading scale.

Marks Range	91-100	81-90	71-80	61-70	51-60	41-50	33-40	32 & below
Grade	A1	A2	B1	B2	C1	C2	D	E (Failed)

[#]Additional Language: Students may take Hindi Course B as an Additional Language and the modalities of assessment will be same as defined for languages in scholastic areas (CBSE Circular No. Acad 14/2017).

2. CO-SCHOLASTIC AREAS

For robust development of the students, co-curricular activities in HPE and Art Education will be carried out by respective teachers. The aspect of regularity, sincere participation, output and teamwork will be the generic criteria for grading in co-scholastic activities.



A. Health and Physical Education (HPE) : It is a distinct curricular area integral to health and physical education. In HPE students develop the knowledge, understanding and skills to strengthen resilience personality. Students are provided with an opportunity to get professionally trained in the area of interest focusing on Physical Fitness, Sportsmanship, Self Sacrifice and Health Care.

The content of HPE will comprise 4 strands :

1. Games : The importance of sports /games in school encompasses more than just the benefit of physical activity, which increases self-esteem and mental alertness.
2. Health and Fitness : A programme for sensitization of the students towards their responsibility to reduce symptoms of anxiety and depression and improve physical fitness.
3. SEWA : A programme to prepare the students for social and community service that includes environmental, civic responsibilities, democracy etc.
4. Health and Activity Card : An information about physical development of a child.

Health and Physical activity is given regular class five times a week. It will be assessed on 5 point grade scale under the guidance of facilitating teacher on the basis of Table 1.1.

TABLE 1.1
DISTRIBUTION OF MARKS FOR INTERNAL ASSESSMENT

Strand	Periods (Approx.)	Grades*
1. GAMES A) Athletics/ Swimming B) Team Games C) Individual Games/ Activity D) Adventure Sports	90 periods	While filling online data, following grades may be filled against HPE: Class IX-X : Grade (A - E) on 5-point scale (A, B, C, D, E)
2. Health and Fitness	50 periods	
3. SEWA	50 periods	Grades of SEWA is considered against Work Experience Class IX-X : Grade (A - E) on 5-point scale (A, B, C, D, E)
4. Health and Activity Card	10 periods	-
Total	200 Periods (Approx)	

- B Art Education: A student has to choose any one of the following options: Vocal Music, Instrumental Music, Kathak Dance, Bharatnatyam and Contemporary Dance, Dramatics, Visual Art. It will be assessed on 5 point grade scale under the guidance of facilitating teacher.
- 3 Discipline: Discipline significantly impacts career shaping and it helps build character. Sincerity, good behaviour and values develop strength and foster unity and co-operation. The students will be assessed for discipline based on the factors like attendance, sincerity, behavior, values, tidiness, respectfulness for rules and regulations, attitude towards society, nation and others. Grading on discipline will be done on a 5 point grade scale.

Details of Five-point Grading for Co-scholastic Areas

A	B	C	D	E
Outstanding	Very Good	Good	Fair	Average

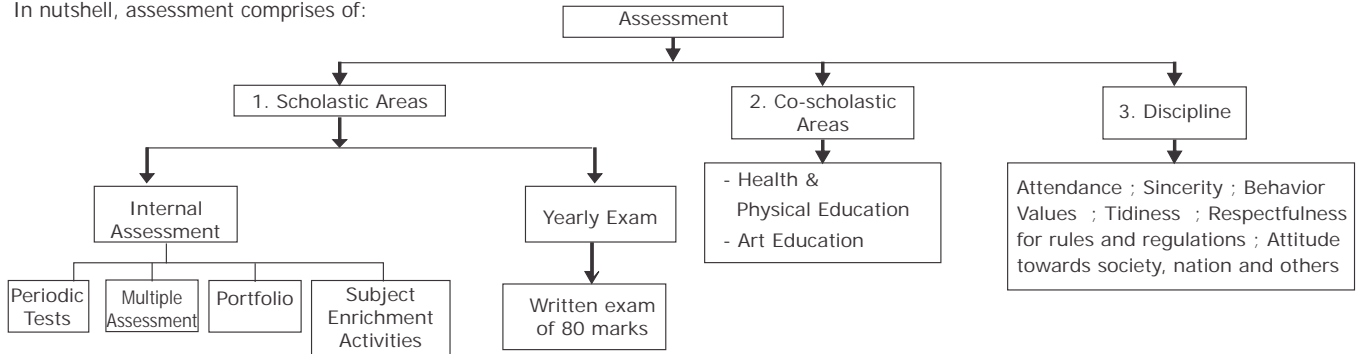
11. EVALUATION AND PROMOTION

The students will be assessed via Periodic tests, Pre-Annual Exam and Annual Exam spread over the complete academic session.

Scholastic Areas

Examination Schedule		Syllabus: 2019-2020		
* PT 1	*PT 2	*PT 3	*Pre Annual Exam	*Annual Exam
20.06.2019 to 28.06.2019	07.09.2019 to 16.09.2019	11.11.2019 to 20.11.2019	03.01.2020 to 16.01.2020	17.02.2020 to 02.03.2020
Date sheet will be provided a month in advance.		* M.M. : 80	Duration : 3 hrs.	

In nutshell, assessment comprises of:



- Mid Term Result will comprise: Periodic Test II (80 marks)+ Periodic Test I (reduced to 05)+ Multiple Assessment (05 marks) + Portfolio (5 marks) + Subject Enrichment Activities (5 marks)
- Final Result will comprise: Average of the best of 2 periodic tests [PT 1, PT 2 (Half Yearly Theory) and PT 3 – reduced to 05]+ Multiple Assessment (05 marks) + Portfolio (5 marks) + Subject Enrichment Activities (5 marks)

*Multiple Assessment (5 marks) : May include Oral Test, Group Work, Class Discussion, Field Work, Concept Maps, Graphic Organiser, Visual Representation etc.

**Assessing Portfolio (5 Marks): Organisation, Completion of guided work, Evidence of Student's growth, Inclusion of all relevant work.

***Subject Enrichment Details (5 Marks):

Subject	Enrichment Activity
English	Assessment of Speaking and Listening Skills
Hindi/French/German/Spanish	Assessment of Speaking and Listening Skills
Mathematics	Maths Lab Work
Science	Practical Lab Work
Social Science	Map work and project work

- Promotion to the next class will be as per the CBSE guidelines.
- Each student should have 75% of attendance to be eligible to appear in Periodic Tests/Exams.
- In case there happens to be a holiday on a particular Test/Exam date, it will be held on the next working day.
- Question papers will follow the blue print as provided by CBSE.
- The answer sheet of Periodic Test/ Pre-Annual Exam after having been checked by the teacher and also checked by the concerned student will be sent to the parents for their information and acknowledgment. No changes in marks will be made once the answer sheet is checked by the concerned students.
- It is compulsory for each student to appear in all the tests. If a student fails to appear for a test / exam (whatever grounds), he / she would have to pay Rs. 1000/- per test and compulsorily appear in the retest / exam of the same. The amount would be deposited to the respective class teacher before the retest.

Note: Any mid-term changes in the scheme of studies / exams by CBSE will be catered accordingly.

Subject : English		Syllabus: 2019-2020		Class : IX	
Prescribed Books : 1. Beehive - Class IX 2. Moments (Supplementary Reader) - Class IX					
TEST/EXAM (M.M.)	DETAILS OF CHAPTERS TO BE COVERED			Use of ICT	Use of Labs
Periodic Test– 1 (80) 01.04.19 to 24.05.19 Test Date: 20.06.19 - 28.06.19	Prose: L1: The Fun They Had L2: The Sound of Music L3: The Little Girl Poem: P1: The Road Not Taken P2: Wind SR: 1 :The Lost Child 2 :The Adventures of Toto Writing Skills : Article Writing, Letter Writing (Letter to the Editor) Grammar : Tenses, Subject Verb Concord	1.Video on The Road Not Taken 2.Power point presentation on : <ul style="list-style-type: none"> • Determiners • Tenses • Subject Verb Concord • Formal Letter (Letter to the Editor) 		Language Lab : Evelyn Glennie: How to truly listen <ul style="list-style-type: none"> • Group Discussion • Weaving a Yarn • Role Play • Group Quiz (Integrated Grammar Practice) • Self Learning Session on Tenses and Subject Verb Concord 	
Periodic Test -2 01.07.19 to 06.09.19	Prose: L4: A Truly Beautiful Mind L5: The Snake and the Mirror L6: My Childhood Poem: P3: Rain on the Roof P4: The Lake Isle of Innisfree P5: A Legend of the Northland SR: 3 : Iswaran the Story Teller 4 : In the Kingdom of Fools 5 : The Happy Prince Writing Skills : Story Writing Grammar : Modals, Use of Passive Voice	1.Video on The Happy Prince 2.Power point presentation on : <ul style="list-style-type: none"> • Modals • Use of Passive Voice • Story Writing 		Language Lab : Famous Excerpts from Dr. Kalam's Speech <ul style="list-style-type: none"> • Learning Lab • Group Quiz (Integrated Grammar Practice) • Self Learning Session on Modals, Use of Passive Voice and Story Writing 	
Periodic Test -2 (Half Yearly) (80) 07.09.19 - 16.09.19	Syllabus and assignments covered from 01.04.19 to 06.09.19				

Periodic Test -3 (80) 17.09.19 to 10.11.19 Test Date: 11.11.19 - 20.11.19	Prose: L7: Packing Poem: P6: No Men Are Foreign P7: The Duck and the Kangaroo P8: On Killing a Tree SR: 6 : Weathering the Storm in Ersama 7 : The Last Leaf Writing Skills : Diary Entry Grammar : Reported Speech	1.Video on Packing and The Last Leaf 2.Power point presentation on : <ul style="list-style-type: none"> • Diary Entry • Reported Speech 	Language Lab : 1. Speak Your Mind 2. Three Men in a Boat by Jerome K. Jerome <ul style="list-style-type: none"> • Group Quiz (Integrated Grammar Practice) • Self Learning Session on Reported Speech and Diary Entry
Pre-Annual Exam (80) 21.11.19 to 02.01.20 Test Date: 03.01.20 -16.01.20	Prose: L8: Reach for the Top L9 : The Bond of Love L10: Kathmandu Poem: P9: The Snake Trying SR: 8 : A House is Not a Home Writing Skills : Revision of Story Writing Grammar : Clauses	1. Video on Reach for the Top and A House is Not a Home 2.Power point presentation on : <ul style="list-style-type: none"> • Clauses 	<ul style="list-style-type: none"> • Group Quiz (Integrated Grammar Practice) • Self Learning Session on Clauses
Final Term Exam (80) 17.01.20 to 16.02.20	Prose: L11: If I Were You Poem: P10: A Slumber Did My Spirit Seal SR: 9 : The Accidental Tourist 10 : The Beggar Writing Skills : Revision of Article Writing Grammar : Prepositions, Determiners	1. Video on If I Were You 2.Power point presentation on : <ul style="list-style-type: none"> • Article Writing • Prepositions • Determiners 	<ul style="list-style-type: none"> • Group Quiz (Integrated Grammar Practice) • Self Learning Session on Article Writing, Prepositions and Determiners
Test Date: 17.02.20 onwards	Syllabus and assignments covered from 01.04.19 to 16.02.20		
Reference Books: 1. Essential English Grammar by Raymond Murphy 2. High School English Grammar and Composition (Wren & Martin) 3. English Grammar by W.H. Wason Teaching Aids : 1. SLM – extramarks.com 2. Language Lab Activities 3. Learning Lab Sessions			

Subject : Mathematics

Syllabus: 2019-2020

Class : IX

Prescribed Books: : 1. Mathematics - Textbook for class IX (NCERT) 2. Mathematics - Exemplar problems for class IX (NCERT)

TEST/EXAM	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT	Use of Labs
Periodic Test– 1 (80) 01.04.19 to 24.05.19 Test Date: 20.06.19 - 28.06.19	Chapter 2: Polynomials Chapter 3: Coordinate Geometry Chapter 6: Lines & Angles Chapter 15: Probability	ICT: CAT: Extramarks.com (SLM) Videos / PPT CAL: Learning Lab (Self learning Session on Extramarks.com) CAA: Online test in learning lab Chapter 2: Polynomials (Maths Polynomials part 1 (Introduction) CBSE class 9 Mathematics IX) https://www.youtube.com/watch?v=i1SNTpIzNc (Polynomials (Chapter 2): CBSE Class 9 IX Maths – YouTube) https://www.youtube.com/watch?v=LuYOZJdZHY4 (CBSE NCERT Class 9 Maths Polynomials – ExamFear) www.examfear.com/free-video-lesson/Class-9/Maths/Polynomials/part-2.htm Chapter 3: Coordinate Geometry (Coordinate Geometry Basic Concepts – YouTube) https://www.youtube.com/watch?v=PQrH5cQ4Iqw (Coordinate Geometry (Chapter 3): CBSE Class 9 IX Maths – YouTube) https://www.youtube.com/watch?v=t75N6eSqHhc (Coordinate Geometry Part 1 - Concepts of Coordinates NCERT ...) https://www.youtube.com/watch?v=ARbnhC8oYs0 (CBSE NCERT Class 9 Maths Coordinate Geometry – ExamFear) www.examfear.com/free-video-lesson/Class-9/Maths/Coordinate-Geometry/part-1.htm Chapter 6: Lines & Angles (Introduction- Lines & Angles, Class 9th Maths – YouTube) https://www.youtube.com/watch?v=S1G9R5V0ToU (CBSE NCERT Class 9 Maths Lines and Angles – ExamFear)	3 D Labs Chapter 2: Polynomials <ul style="list-style-type: none"> · Monomial, Binomial and Trinomial · Degree of a Polynomial · $(a + b)^2$ · $(a - b)^2$ · $a^2 - b^2$ · $(a + b)^3$ · $(a + b + c)^2$ Chapter 3: Coordinate Geometry <ul style="list-style-type: none"> · Cartesian Coordinate System Chapter 6: Lines & Angles <ul style="list-style-type: none"> · Lines and Angles Chapter 15: Probability <ul style="list-style-type: none"> · Introduction to Probability · Introduction to Experimental Probability O labs N A Maths Lab Activities: Activity 3. To verify algebraic identity $(a+b)^3 = a^3 + b^3 + 3a^2b + 3ab^2$ and $(a-b)^3 = a^3 - b^3 - 3a^2b +$

		<p>www.examfear.com/free-video-lesson/Class-9/Maths/Lines-and-Angles/part-1.htm</p> <p>Chapter 15: Probability (Probability Introductory Video: CBSE Class 9 Math (Meritnation.com ...)) https://www.youtube.com/watch?v=3x64smh0lVI</p> <p>(CBSE NCERT Class 9 Maths Probability – ExamFear) www.examfear.com/free-video-lesson/Class-9/Maths/Probability/part-1.htm</p>	<p>$3ab^2$ using unit cubes</p> <p>Activity 4. To verify algebraic identity $a^3 + b^3 = (a+b)(a^2 - ab + b^2)$ and $a^3 - b^3 = (a-b)(a^2 + ab + b^2)$ using unit cubes</p> <p>Activity 5. To find the factors of a binomial expression by splitting the middle terms</p> <p>Activity 2. To obtain a mirror image of given figure</p> <p>Activity 17. To revise some basic activities</p>
<p>Periodic Test -2 01.07.19 to 06.09.19</p>	<p>Chapter 14: Statistics</p> <p>Chapter 7: Triangles</p> <p>Chapter 8: Quadrilaterals</p>	<p>ICT: CAT: Extramarks.com (SLM) Videos / PPT CAL: Learning Lab (Self learning Session on Extramarks.com) CAA: Online test in learning lab Chapter 14: Statistics (Statistics : CBSE Class 9 Mathematics Video) https://www.youtube.com/watch?v=V1JUxMcDTpU</p> <p>Chapter 7: Triangles (Triangles (Chapter 7): Class 9 IX Maths CBSE – YouTube) https://www.youtube.com/watch?v=hhaLgYVvK1h0 (Maths Triangles part 1 (Introduction) CBSE class 9 Mathematics IX) https://www.youtube.com/watch?v=XSgRTRips_Y (Triangles Introductory Video: CBSE Class 9 Math (Meritnation.com) https://www.youtube.com/watch?v=WpWHYIRFFvk</p> <p>Chapter 8: Quadrilaterals (Maths Quadrilaterals part 1 (Introduction, Angle sum property) CBSE) https://www.youtube.com/watch?v=CXNIUvoEIIIM (Maths Quadrilaterals part 9 (Parallelogram property) CBSE class 9 ...) https://www.youtube.com/watch?v=SHLNgIEDpsM</p>	<p>3 D Labs</p> <p>Chapter 14: Statistics</p> <ul style="list-style-type: none"> · Tally Marks · Reading a Bar Graph <p>Chapter 7: Triangles</p> <ul style="list-style-type: none"> · Triangle Angle-Sum Theorem (Illustration) · Angles in a Polygon · Exterior Angles of a Polygon · Exterior Angle Theorem · Application of ASA Criterion Criteria for Congruence of Triangles · Properties of Isosceles Triangle · Application of SSS and SAS Criteria for Congruence of Triangles · Congruent Triangles <p>RHS Criterion</p> <ul style="list-style-type: none"> · Application of RHS Criterion for Congruence

			<p>Chapter 8: · Quadrilaterals · Types of Quadrilaterals · Cyclic Quadrilateral and its Properties · Property of the Diagonals of a Rhombus O labs Statistics N A Triangles Maths Lab Activities: Activity 6. To verify that sum of two sides of a triangle is greater than third side. Activity 7. To obtain a parallelogram by paper folding. Activity 8. To verify the midpoint theorem for a triangle using paper cutting and pasting. Activity 9. To show that the figure obtained by joining the mid-points of consecutive sides of the quadrilateral is a parallelogram. Activity 10. Properties of diagonals of a parallelogram, a Rhombus, a Rectangle, a Square.</p>
<p>Periodic Test -2 (Half Yearly) (80) 07.09.19 - 16.09.19</p>	<p>Syllabus and assignments covered from 01.04.19 to 06.09.19</p>		

<p>Periodic Test -3</p> <p style="text-align: center;">80</p> <p style="text-align: center;">17.09.19 to 10.11.19</p> <p style="text-align: center;">Test Date: 11.11.19 - 20.11.19</p>	<p>Chapter 1: Number Systems</p> <p>Chapter 9: Areas of Parallelograms and Triangles</p> <p>Chapter 11: Constructions</p>	<p>ICT:</p> <p>CAT: Extramarks.com (SLM) Videos / PPT</p> <p>CAL: Learning Lab (Self learning Session on Extramarks.com)</p> <p>CAA: Online test in learning lab</p> <p>Chapter 1: Number Systems</p> <p>Chapter 9: Areas of Parallelograms and Triangles http://www.mathguru.com/level2/areas-of-parallelograms-and-triangles-2008093000032107.aspx</p> <p>Chapter 11: Constructions (CBSE NCERT Class 9 Maths Constructions – ExamFear) www.examfear.com/free-video-lesson/Class-9/Maths/Constructions/part-1.htm</p> <p>(Construction of triangles class 9 cbse exercise 11.2 part 2 – YouTube) https://www.youtube.com/watch?v=iKHzuqxdn_s (construction of triangle cbse class 9 part 1 – YouTube) https://www.youtube.com/watch?v=jEyifqYnEoA</p> <p>(Maths Constructions part 1 (Angle & perpendicular bisector, Angles ...) https://www.youtube.com/watch?v=imdmXU7NOMY</p> <p>(EXERCISE 11.1 QUESTION 1&4 CONSTRUCTION CLASS9 NCERT ...) https://www.youtube.com/watch?v=RmP3dRPGI7Q</p>	<p>3 D Labs</p> <p>Chapter 1: Number Systems</p> <ul style="list-style-type: none"> • Fractions to Decimals and Decimals to Fractions • Representation of a Decimal Number on the Number Line • Irrational Number on the Number Line • Irrational Numbers: Geometrical Representation <p>Chapter 9: Areas of Parallelograms and Triangles</p> <ul style="list-style-type: none"> • Figures on the same base and between the same parallels <p>Chapter 11: Constructions</p> <ul style="list-style-type: none"> • Constructions: Congruent Angle and An Angles of Measure 60° and 120° • Construction: Angle Bisector and an Angle of 30° • Construction of a triangle(Given its base, a base angle and sum of other two sides) • Construction of a Triangle (Given: Base, Vertical Angle and the Corresponding Altitude) • Construction of a Triangle (Given: Base, Vertical Angle and the Corresponding Median) • Construction of a Triangle (Given: Base Angles and Perimeter) • Construction: Right Angled Triangle
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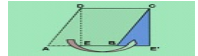
- Construction : Circumcircle
- Construction: Incircle
- Construction : Equilateral Triangle

O labs

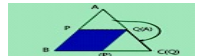
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Chapter 9: Areas of Parallelograms and Triangles

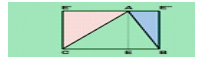
O Labs



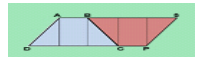
Area of Parallelogram



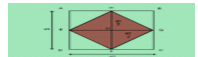
Mid Point Theorem



Area of Triangle



Area of Trapezium


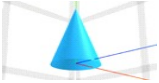


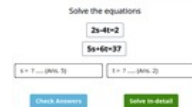
Maths Lab Activities:

Activity 1. To obtain line segment corresponding to square root of a number.

Activity 15. To verify that Area of a triangle is product of half the base and height.

Activity 16. To verify that Area of a parallelogram is product of the base and height.

<p>Pre-Annual Exam</p> <p>(80)</p> <p>21.11.19 to 02.01.20</p> <p>Test Date: 03.01.20 -16.01.20</p>	<p>Chapter 13: Surface Areas & Volumes</p> <p>Chapter 10: Circles</p> <p>Chapter 12: Heron's Formula</p>	<p>ICT:</p> <p>CAT: Extramarks.com (SLM) Videos / PPT</p> <p>CAL: Learning Lab (Self learning Session on Extramarks.com)</p> <p>CAA: Online test in learning lab</p> <p>Chapter 13: Surface Areas & Volumes (Surface Area and Volume Class 9 All Formulas - Introduction - Part 1 ...) https://www.youtube.com/watch?v=KNyOdF7Pcmg</p> <p>(Class 9 Surface Area & Volume – YouTube) https://www.youtube.com/watch?v=JCWeKgm1oNw</p> <p>(CBSE NCERT Class 9 Maths Surface Areas Volumes – ExamFear) www.examfear.com/free-video-lesson/Class-9/.../Surface-Areas-Volumes/part-1.htm</p> <p>Chapter 12: Heron's Formula</p> <p>Web Links: http://www.learnnext.com/nextgurukul/wiki/concept/CBSE/IX/Maths/Heron's-Formula.htm#ExternalLinks</p> <p>Chapter 10: Circles</p> <p>Weblink: http://en.wikipedia.org/wiki/circle</p>	<p>3 D Lab</p> <p>Chapter 13: Surface Areas & Volumes</p> <ul style="list-style-type: none"> · Surface Area of a Cone · Surface Area of a Right Prism · Surface Area of a Pyramid · Surface Area of a Sphere · Volume of a Cylinder · Volume of a Cone · Introduction to a Prism · Volume of a Prism · Introduction to Pyramid · Volume of a Pyramid <p>Chapter 10: Circles</p> <ul style="list-style-type: none"> · Angle Subtended by a Chord at the Centre · Arcs and Angles: Central Angle Theorem <p>O labs</p> <p>Chapter 13: Surface Areas & Volumes</p>  <p>Right Circular Cylinder</p>  <p>Right Circular Cone</p> <p>Maths Lab Activities:</p> <p>Activity 11. To verify that the angle subtended by an arc at the centre of a circle is twice the angle subtended by the same arc at any other point on the remaining part of the circle using method of paper cutting, pasting and folding.</p>
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			<p>Activity 12. To verify that the angles in the same segment of a circle are equal using the method of paper cutting and pasting.</p> <p>Activity 13. To Observe the angles in a semicircle, major segment, and minor segment.</p> <p>Activity 14. To verify that opposite angles of a cyclic quadrilateral are supplementary.</p>
<p>Final Term Exam</p> <p>80</p> <p>17.01.20 to 16.02.20</p>	<p>Chapter 04: Linear Equations in Two Variables</p> <p>Chapter 05: Introduction to Euclid's Geometry</p>	<p>ICT:</p> <p>CAT: Extramarks.com (SLM) Videos / PPT</p> <p>CAL: Learning Lab (Self learning Session on Extramarks.com)</p> <p>CAA: Online test in learning lab</p> <p>Chapter 5: Introduction to Euclid's Geometry (EUCLID'S GEOMETRY Part 1 - Introduction NCERT - Class 9 ...)</p> <p>https://www.youtube.com/watch?v=jmz4PwN5qeE (CBSE Class 9 Math Introductory Video: Introduction to Euclid's Geometry)</p> <p>https://www.youtube.com/watch?v=wC7zcaky97o (Class 9 EUCLID'S GEOMETRY (INTRODUCTION) – YouTube)</p> <p>https://www.youtube.com/watch?v=ZJODmddkHgz (Euclid's Definitions, Axioms and Postulates - Euclid's Geometry)</p> <p>https://www.youtube.com/watch?v=XAFigqEAaoQ Chapter 04: Linear Equations in Two Variables</p> <p>Class 9 Mathematics - Linear Equations in 2 Variables Class 9 Video ...</p> <p>https://edurev.in/.../Class-9...Linear-Equations.../3cc0866e-b84a-49c7-b22b-35078e9...</p> <p>Graphing a linear equation: $y=2x+7$ (video) Khan Academy</p> <p>https://www.khanacademy.org > ... > Graph of a Linear Equation in Two Variables</p>	<p>Chapter 04: Linear Equations in Two Variables</p> <p>O labs</p> <p>Solving Simultaneous Equations</p>  <p>3 D Lab</p> <p>Linear Equations in Two Variables: Graphical Representation</p>
<p>Test Date:</p> <p>17.02.20 onwards</p>	<p>Syllabus and assignments covered from 01.04.19 to 16.02.20</p>		
<p>Reference Books:</p> <p>1. Mathematics by RD Sharma – IX 2. Secondary School Mathematics – IX (R S Aggarwal) 3. All in one for class IX by Arihant Publications.</p>			

Subject : Hindi		Syllabus: 2019-2020		Class : IX	
Prescribed Books : 1- Li 'kz Hkkx&1½ (NCERT)		2- I p; u Hkkx&1½ (NCERT)			
TEST/EXAM (M.M.)	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT	Use of Labs		
Periodic Test- 1 (80) 01.04.19 to 24.05.19 Test Date: 20.06.19 - 28.06.19	Li 'kz Hkkx&1 ½ [kM½ 2 nqk dk vf/kdkj 3 ,ojkV ejh f'k[kj ; k=k ¼ [kM½ 9 in ½ gñk ½ I p; u Hkkx&1 1 fxYYkw 0; kdj .k % o.kfoPNn] vuqokj] vuqkfl d] uoPrk] mi l Xk&i R; ; ys[ku % vuPNn] foKki u] fp= o.ku	Li 'kz Hkkx & 1½ i kB& 2] 3] 9 Extramarks.com I p; u i kB&1 Extramarks.com 0; kdj .k& Extramarks.com ys[ku& Extramarks.com	Hkk'kk i z, ksx' kkyk & fp= o.ku		
Periodic Test -2 01.07.19 to 06.09.19	Li 'kz Hkkx&1 ½ [kM½ 4 nq dc tkvksj vfrffk 6 dhpM+dk dk0; ¼ [kM½ 10 nksj ½ gñe½ 11 vknehukek 12 , d Ony dh plg I p; u Hkkx&1 2 Lefr 0; kdj .k % I k/k] fojke fpge ys[ku % i = ys[ku] l ðkn ys[ku	Li 'kz Hkkx & 1½ i kB&4] 6] 10] 11] 12 Extramarks.com I p; u i kB&2 Extramarks.com 0; kdj .k& Extramarks.com ys[ku& Extramarks.com	Hkk'kk i z, ksx' kkyk & l ðkn ys[ku		
Periodic Test -2 (Half Yearly) (80) 07.09.19 - 16.09.19	Syllabus and assignments covered from 01.04.19 to 06.09.19				

Periodic Test -3 (80) 17.09.19 to 10.11.19 Test Date: 11.11.19 - 20.11.19	Li 'kz Hkkx&1 ¼ [kM½ 7 /ke/ dh vkm+ 8 "kOrks ds l eku ¼ [kM½ 14 vfxui Fk l p; u Hkkx&1 5 gkfen [kk 0; kdj .k % i qjkoFuk ys[ku % i qjkoFuk	Li 'kz Hkkx & 1½ i kB&7] 8] 14 Extramarks.com l p; u i kB&5 Extramarks.com 0; kdj .k& Extramarks.com ys[ku& Extramarks.com	Hkk"kk iz, ksx'kkyk & vuFNsn ys[ku
Pre-Annual Exam (80) 21.11.19 to 02.01.20 Test Date: 03.01.20 -16.01.20	Li 'kz Hkkx&1 ¼ [kM½ 15 u, byldsej [kqku jprsg gkFk 0; kdj .k % i qjkoFuk ys[ku % i qjkoFuk	Li 'kz Hkkx & 1½ i kB&15 Extramarks.com 0; kdj .k& Extramarks.com ys[ku& Extramarks.com	Hkk"kk iz, ksx'kkyk & foKki u ys[ku
Final Term Exam (80) 17.01.20 to 16.02.20	Li 'kz Hkkx&1 i qjkoFuk l p; u Hkkx&1 6 fn; sty mBs \$ i qjkoFuk 0; kdj .k % i qjkoFuk ys[ku % i qjkoFuk	Li 'kz Hkkx & 1½ i qjkoFuk Extramarks.com l p; u % i kB&6 Extramarks.com 0; kdj .k& Extramarks.com ys[ku& Extramarks.com	Hkk"kk iz, ksx'kkyk & dfork okpu
Test Date: 17.02.20 onwards	Syllabus and assignments covered from 01.04.19 to 16.02.20		
Reference Books: 1- 0; kdj .k nf"kkk ¼ jLorh i fcyds'ku½ 2- 0; kdj .k i dksk% Qy ekDI Z i kn fyi Teaching Aids : 1. SLM – extramarks.com 2. Language Lab Activities			

Subject : Science (086)

Syllabus: 2019-2020

Class : IX

Prescribed Books : 1. Science, Textbook for Class – IX (NCERT) 2. Science Exemplar (NCERT)

TEST/EXAM (M.M.)	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT	Use of Labs
Periodic Test– 1 (80) 01.04.19 to 24.05.19 Test Date: 20.06.19 - 28.06.19	Chapter 1: Matter in our surroundings Chapter 2: Is matter around us pure? Chapter 5: The Fundamental unit of life Chapter 8: Motion	Extramarks Capsules: Conversion of states of matter, Evaporation, Latent heat, Compounds And Mixtures, Types of Colloids, Separation techniques of mixtures, Separation of Air, Purification of water, Nucleus, Cell organelles, Cell wall, Cell membrane, Osmosis and diffusion. 3D LAB: Determination of melting point of ice, Number and shape of cell, Animal cell, Nucleus, Cell membrane, Mitochondria.	Lab Activities: 1) To prepare: (a) A true solution of common salt, sugar & alum. (b) A suspension of soil, chalk powder & fine sand in water. (c) Colloidal solution of starch in water & egg albumin/milk in water & distinguish between these on the basis of transparency, filtration criteria & stability. 2) To prepare a mixture & a compound using iron fillings & sulphur powder & distinguish between these on the basis of: (a) Appearance i.e., homogeneity and heterogeneity. (b) Behaviour towards a magnet. (c) Behaviour towards carbon disulphide as solvent. (d) Effect of heat. 3) To separate the components of a mixture of sand, common salt & ammonium chloride (or camphor) by sublimation. 4) To determine the melting point of ice & the boiling point of water. 5) To carry out the following chemical reactions & record observations. Also identify the type of reaction involved in each case: (a) Iron with copper sulphate in water. (b) Burning of magnesium ribbon in air. (c) Zinc with dilute sulphuric acid (d) Heating of Copper Sulphate crystals. (e) Sodium sulphate with barium chloride in the form of their solutions in water. 6) To prepare stained temporary mounts of: (a) Onion peel (b) Human cheek cells Record observations & draw their labeled diagrams.

Periodic Test -2 01.07.19 to 06.09.19	Chapter 6: Tissues Chapter 9: Force & Laws of Motion Chapter 3: Atom & Molecules Chapter 4: Structure of the Atom Chapter 13: Why do we fall ill?	Extramarks Capsules: Meristimatic tissue, Permanent tissues, Epithelial tissue, Muscular tissue, Nervous tissue, Connective tissue, Laws of chemical combination, Thompson model of atom, Rutherford model of atom, Bohr model of atom, Alpha particle scattering experiment, Isotopes, Cathode rays, Anode rays, Newtons laws of motion, Law of conservation of momentum, Mode of spread of diseases ,Disease manifestation, Principles of treatment, Principles of prevention of disease, Vaccination. 3D LAB: : Epithelial tissue, Connective tissue, Nervous tissue	7) To identify parenchyma, collenchyma and sclerenchyma tissues in plants, striped muscle fibers, cardiac muscle fibers, smooth muscle fibers & nerve cells in animals, from prepared slides & draw their labeled diagrams. 8) To verify law of conservation of mass in a chemical reaction.
Periodic Test -2 (Half Yearly) (80) 07.09.19 - 16.09.19	Syllabus and assignments covered from 01.04.19 to 06.09.19		
Periodic Test -3 (80) 17.09.19 to 10.11.19 Test Date: 11.11.19 - 20.11.19	Chapter 10: Gravitation Chapter 11: Work & Energy Chapter 12: Sound	Extramarks Capsules: Universal law of gravitation, Free fall, Thrust and Pressure, Archimedes' principle, Relative density, Work, Energy, Power, Propagation of sound, Characteristics of sound waves, Reflection of sound waves and applications, SONAR, Human ear 3D LAB: : Archimedes' Principle, Reflection of sound, SONAR	Lab Activities: 9) To determine density of solid (denser than water) by using a spring balance and a measuring cylinder. 10) To establish the relation between the loss in weight of a solid when fully immersed in: (a) Tap water. (b) Strongly Salty Water, with the weight of water displaced by it, by taking at least two different solids. 11) To verify laws of reflection of sound. 12) To determine the velocity of a pulse propagated through a stretched string/slinky.

Pre-Annual Exam 80 21.11.19 to 02.01.20 Test Date: 03.01.20 -16.01.20	Chapter 7: Diversity in Living Organisms Chapter 14: Natural Resources Chapter 15: Improvement in Food Resources	Basis of classification, Whittakers classification: Kingdom Monera, Protista, Fungi, Plantae, Animalia, Role of atmosphere, Water a wonder liquid, Biogeochemical cycles, Ozone layer.	Lab Activities: 13. a) To observe & draw the given specimens- earthworm, cockroach, bony fish & a bird. For each specimen record the following: (a) One specific feature of its phylum. (b) One adaptive feature with reference to its habitat. b) To study the characteristics of Spirogyra, Agaricus, Moss/Fern, Pinus (either with male or female cone) & an Angiospermic plant. Draw and give two identifying features of groups they belong to. c) To study the external features of root, stem, leaf & flower of monocot & dicot plant.
Final Term Exam 80 17.01.20 to 16.02.20	Chapter 15: Improvement in Food Resources (contd.) Revision and discussion of sample papers	Crop variety improvement, Crop protection ,Crop production improvement, Animal husbandary, Pisciculture, Bee keeping.	
Test Date: 17.02.20 onwards	Syllabus and assignments covered from 01.04.19 to 16.02.20		
Reference Books: (i) Super simplified Science & Technology – S. Dinesh & Company (ii) Foundation Science Physics for Class – IX – H. C. Verma. (iii) Comprehensive Biology – IX – A. K. Singh (iv) Science & Technology Chemistry for Class – IX – S. K. Jain. (v) IGCSE Physics (1Ind Edition) – Tom Duncan & Hether Kennett. (vi) Cambridge New Edition Chemistry - Richard Horwood. (vii) Cambridge Biology – Mary Jones & Geoff Jones. (viii) Pradeep's Chemistry, Physics, Biology (ix) Exemplar problems in Science for Class – IX (NCERT)			

Subject : Social Science		Syllabus: 2019-2020		Class : IX	
Prescribed Books : 1. History: India and the Contemporary World, Part – I (NCERT) 2. Geography: Contemporary India, Part – I (NCERT) 3. Pol. Sci.: Democratic Politics, Part – I (NCERT) 4. Economics: Text book for Class IX 5. Disaster Management: Together Towards a Safe India, Part II (CBSE) 6. Map Book					
TEST/EXAM (M.M.)	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT	Use of Labs		
Periodic Test– 1 (80) 01.04.19 to 24.05.19 Test Date: 20.06.19 - 28.06.19	History: Ch-1 : The French Revolution Geography Ch-1 : India : Size and Location Ch-2 : Physical Features of India Political Science Ch-2 : What is Democracy? Why Democracy? Economics Ch-1 : The story of Village Palampur	https://youtu.be/wXsZbkt0yqo https://youtu.be/0v6-fB-gftQ https://youtu.be/oDsS3SX7f=k https://youtu.be/jG5XfBzm01y	Learning Lab		
Periodic Test -2 01.07.19 to 06.09.19	History: Ch 2 : Socialism in Europe and the Russian Revolution Geography Ch-3 : Drainage Political Science Ch-3 : Constitutional Design Ch-4 : Electoral Politics Economics Ch-2 : People as Resource	https://youtu.be/u-fBXIH0cM https://youtu.be/MH-tiOQGJtu https://youtu.be/XFtdzUf1s1c	Learning Lab		
Periodic Test -2 (Half Yearly) (80) 07.09.19 - 16.09.19	Syllabus and assignments covered from 01.04.19 to 06.09.19				

Periodic Test -3 (80) 17.09.19 to 10.11.19 Test Date: 11.11.19 - 20.11.19	History: Ch 3 : Nazism and the Rise of Hitler Geography Ch-4 : Climate Ch-5: Natural Vegetation & Wildlife Political Science Ch-5: Working of Institutions	https://youtu.be/kybjUg4kw_s https://youtu.be/t3NAN6ZflJc https://youtu.be/CRIi2874q-M	Learning Lab
Pre-Annual Exam (80) 21.11.19 to 02.01.20 Test Date: 03.01.20 -16.01.20	History: Ch-5 : Pastoralists in the Modern World Geography Ch-6 : Population Political Science Ch-6 : Democratic Rights Economics Ch-3 : Poverty as a challenge	https://youtu.be/ZkTtHXLCC5k https://youtu.be/5BQgLxCdm8O https://youtu.be/1qf-33AHTFQ https://youtu.be/W0wYV_rqjNo	Learning Lab
Final Term Exam (80) 17.01.20 to 16.02.20	Economics Ch-4 : Food Security in India	https://youtu.be/ka7RckRZZfk *Extra marks for all the chapters	Learning Lab
Test Date: 17.02.20 onwards <p style="text-align: center;">Syllabus and assignments covered from 01.04.19 to 16.02.20</p>			

Every student has to compulsorily undertake one project on Disaster Management (Pertaining to class IX curriculum of Disaster Management only).

The distribution of marks over different aspects relating to Project Work is as follows:

S.No.	ASPECTS	MARKS
1.	Content accuracy and originality	1
2.	Presentation and creativity	1
3.	Process of Project Completion : Initiative, cooperativeness, participation and punctuality	1
4.	Viva or written test for content assimilation	2

Note : The Project Report should be handwritten by the students themselves and comprise of not more than 15 foolscap pages.

Reference Book:

- (i) Word History - Christopher Culpin
- (ii) India- The Physical aspects - K. Siddharth
- (iii) Introduction to the Constitution of India- D.D. Basu
- (iv) India Economy - R. Dutt & K. Sundaram

Subject : German		Syllabus: 2019-2020		Class : IX	
Prescribed Books : 1. Beste Freunde B1.1 Deutsch für Jugendliche Kursbuch und Arbeitsbuch					
TEST/EXAM (M.M.)	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT	Use of Labs		
Periodic Test– 1 (80) 01.04.19 to 24.05.19 Test Date: 20.06.19 - 28.06.19	Lektion 1: Allein zu Hause (Feiern) Grammatik: Subordinate clause " wenn" "zu" + Infinitive "brauchen" +...+ "zu" + Infinitive Preposition of time "während" + Genitiv	PPT on the topic: Wenn Sätze Subordinate clause	Language Lab: Book C.D. will be played. Clicker Lab: Prepositions of time Wortschatz und Aussprache		
Periodic Test -2 01.07.19 to 06.09.19	Lektion 2 : Wir kaufen nichts!- Konsum Lektion 3 : Das würde ich nie tun! – Freundschaft Grammatik: Finale Nebensätze: Konjunktion damit, um...zu+ infinitive Fragewort Wo(r) + Präposition Pronomen da(r) + Präposition Konjunktiv II: würde + infinitive Artikel und Nomen im Genitiv	PPT on the topic: "um...zu" "damit" Activity on Satz bilden Question word "Wo(r)" + Preposition Pronouns "da(r)" + Preposition Subjunctive II: "würde"+ Infinitive Articles and Nouns in Genitiv Group activity: a) To follow a timeline and describe an event b) To ask for someone's opinion and give one's own opinion in German	Language Lab: Book C.D. will be played. Clicker Lab: Prepositions of time Wortschatz und Aussprache		
Periodic Test -2 (Half Yearly) (80) 07.09.19 - 16.09.19	Syllabus and assignments covered from 01.04.19 to 06.09.19				

Periodic Test -3 (80) 17.09.19 to 10.11.19 Test Date: 11.11.19 - 20.11.19	Lektion 4 : Hamburg, wir kommen!- Reisen Grammatik: Konjunktiv II: sollen Temporale Nebensätze: Konjunktion während und bevor	PPT on Subjunctive II: "sollen" Subordinate clauses of time Activity: To give chronological sequence of events Sprechen: To talk about activities happening simultaneously	Language Lab: Book C.D. will be played. Clicker Lab: Landeskunde Wortschatz und Aussprache
Pre-Annual Exam (80) 21.11.19 to 02.01.20 Test Date: 03.01.20 -16.01.20	Lektion 5 : Ende gut alles gut- Beziehungen Grammatik: Kausale Präposition wegen+ Genitiv Zweiteilige Konjunktion zwar....,aber.... Relativsatz: Relativpronomen im Nominativ, Akkusativ und Dativ	PPT on Causal preposition "wegen"+ Genitive Double barrel conjunction: "zwar...aber" Activity: To give reasons on the topics presented through ICT To express likes and dislikes To lay down restrictions	Language Lab: Book C.D. will be played. Clicker Lab: Relative clause relative pronouns in Nominative, Accusative and Dative Wortschatz und Aussprache
Final Term Exam (80) 17.01.20 to 16.02.20	Landeskunde: Das Schulsystem in Deutschland Wiederholung	Wiederholung „Weißt du noch?“ über etwas Vergangenes erzählen	Language Lab: Die Landkarte von Deutschland Clicker Lab: Wortschatz und Aussprache
Test Date: 17.02.20 onwards	Syllabus and assignments covered from 01.04.19 to 16.02.20		
Reference Books: Team Deutsch 2/1, Planet 2, Ping Pong 2, DVD - Wir Live, Langenscheidt Euro Dictionary, K.M. Sharma; German-Hindi/Hindi-German Dictionary. Rachna Publishing House, Get Ready practice papers for class IX , Practice Worksheets Source: www.nthuleen.de, www.meindeutschheft.de			

Subject : French		Syllabus: 2019-2020		Class : IX	
Prescribed Books : Entre Jeunes IX, Cahier d'exercice IX					
TEST/EXAM (M.M.)	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT	Use of Labs		
Periodic Test– 1 (80) 01.04.19 to 24.05.19 Test Date: 20.06.19 - 28.06.19	Leçon 1: La famille Leçon 2: Au lycée Leçon 3: Une journée de Pauline	<ul style="list-style-type: none"> • Power point presentation on articles and prepositions • Pictorial representations on "une journée" for description 	Clicker lab: Objective type questions on articles, verbs and prepositions Language lab: Audio comprehensions		
Periodic Test -2 01.07.19 to 06.09.19	Leçon 4: Les saisons Leçon 5: Les voyages Leçon 6: Les loisirs et les sports	<ul style="list-style-type: none"> • Pictorial representations of sports and other leisure activities • Presenting weather report on the map of France 	Clicker lab: Objective type questions on Tenses(Past and future tense) Language lab: audio clip of TV5 for weather report		
Periodic Test -2 (Half Yearly) (80) 07.09.19 - 16.09.19	Syllabus and assignments covered from 01.04.19 to 06.09.19				

Periodic Test -3 (80) 17.09.19 to 10.11.19 Test Date: 11.11.19 - 20.11.19	Leçon 7: L'argent de poche Leçon 8: Faire des achats Leçon 9: Un dîner en famille	<ul style="list-style-type: none"> • Role play on the situations shown on the ICT. • Videos of recipes of French dishes. 	Clicker lab: Objective type questions on pronouns Language lab: Role play on the theme-"Dans un magasin"
Pre-Annual Exam (80) 21.11.19 to 02.01.20 Test Date: 03.01.20 -16.01.20	Leçon 10: La Mode Leçon 11: Les fêtes	<ul style="list-style-type: none"> • Power point presentation on the festivals of France. • Activity of framing sentences using comparative and superlative 	Clicker lab: Objective type questions on Pronoms Rétatifs Language lab: Audio clips from the internet related to the celebration of festivals.
Final Term Exam (80) 17.01.20 to 16.02.20	Leçon 12: La Francophonie Revision	<ul style="list-style-type: none"> • Power point presentations on the francophone countries. 	Clicker lab: Objective type questions on all the grammatical topics
Test Date: 17.02.20 onwards	Syllabus and assignments covered from 01.04.19 to 16.02.20		
Reference books: 1. Together with French-IX 2. Set Rite - IX 3. Get ready-IX Teaching Aids : 1. Language Lab 2. Clicker Lab 3. Flash Cards			

Subject : Spanish		Syllabus: 2019-2020		Class : IX	
Prescribed Books : 1. Aula Internacional 1 (+CD)					
TEST/EXAM (M.M.)	DETAILS OF CHAPTERS TO BE COVERED	Use of ICT	Use of Labs		
Periodic Test– 1 (80) 01.04.19 to 24.05.19 Test Date: 20.06.19 - 28.06.19	Unidad 0: En el Aula Unidad 1: Nosotros Unidad 2: Quiero aprender español	1. Powerpoint presentation on los verbos del presente y el tiempo gerundio. 2. Book CD will be played in the classroom	Language lab: 1. Short dialogues with partner at a. At airport b. At school c. At office d. At restaurants 2. Short video on los demostrativos		
Periodic Test -2 01.07.19 to 06.09.19	Unidad 3: ¿Donde está santiago? Unidad 4: ¿Cual prefieres ? Unidad 5: Tus amigos son mis amigos.	1. Powerpoint presentation on “La doble negación” 2. Book CD will be played in the classroom.	Language lab : 1. Listening Spanish song and fill in the blanks 2. Role play between doctor and a patient about diseases and its solutions.		
Periodic Test -2 (Half Yearly) (80) 07.09.19 - 16.09.19	Syllabus and assignments covered from 01.04.19 to 06.09.19				

Co-Scholastic Activity:

Syllabus: 2019-2020

Class : IX

Physical Education

MONTH	PARTICULARS
April'19 & May'19	<ul style="list-style-type: none"> • Introduction to Physical Education • Physical Fitness • Practical - AAPHERD Test
July'19 & August'19	<ul style="list-style-type: none"> • Measurement of Growth • First Aid Measures
September'19	Half Yearly Exam
October'19 & November'19	<ul style="list-style-type: none"> • Sociological Aspects of Physical Education • Physical Activity and Different Abled Children • Community Recreation
December'19 & January'20	<ul style="list-style-type: none"> • Sports and Human Resources Practical Athletics: 30/50 Mts, Middle Distance, Jumps
February'20	Yearly Evaluation

Self Defence Training for Girl Students :

Commands - Ray Group, Right Rest - Hands down, Sico Dachi Punch Position - stance- ready up right side right leg with bothhands at waist with punch(close fingers & lock by thumb).

Techniques - Middle Punch, Upper Punch, Lower Punch, Middle Finger's tips attack, Upper finger's tips attack, Lower finger's tips attack, Middle palm thrust, Upper palm thrust, Lower palm thrust, Temple attack, Temple short punch, Front elbow attack, Back elbow attack, Front block, Side block, Lower block, Chin shoggi, Front shoggi (Stomach), Ribs attack, Bus attack-self equipments-as mentioned earlier, Front kick, Side kick, Back kick, Single hand grip, Double hand grip and Attack on sensitive parts by hand & legs

Name of Tests to be conducted :

BMI, Partial Curl Up, Flexed / Bent Arm Hang, Sit and Reach, 600 Metre Run, Flamingo Balance Test, Shuttle Run, Sprint / Dash, Standing Vertical Jump, PLate Tapping and Alternative Hand Wall Test

* Available options in sports are Athletics / Badminton / Basket Ball / Hand Ball / Kho - Kho / Table Tennis / Volley Ball / Cricket

Note: Students will be assessed by subject faculty as per grades prescribed by CBSE.

Co-Scholastic Activity:

Syllabus: 2019-2020

Class : IX

Health Education

MONTH	PARTICULARS
April'19 & May'19	<ul style="list-style-type: none"> • Meaning and Nature of Health
July'19 & August'19	<ul style="list-style-type: none"> • Personal and Environmental Health Practices.
September'19	Half Yearly Exam
October'19 & November'19	<ul style="list-style-type: none"> • First Aid Measures.
December'19 & January'20	<ul style="list-style-type: none"> • Measures to Remove Accident Hazards.
February'20	Yearly Exam

Yogic Practices for Health and Harmony: Surya Namaksar, Tadasana, Katichakrasana, Simhasana, Uttana Mandukasana, Kukkutasana, Akarna Dhanusana, Matsyasana, Bhujangasana, Shalabhasana, Dhanurasana, Sarvangasana, Halasana, Shavasana, Kapalabhati, Agnisar, Anuloma – viloma, Bhastrika, Uddiyana , Meditation , Introspection

NOTE: Students will be assessed by subject faculty as per grades prescribed by CBSE.

Co-Scholastic Area:
Art Education (Dramatics)

Syllabus: 2019-2020

Class : IX

MONTH	Particulars
April'19 & May'19	<ul style="list-style-type: none"> Exercises in Speech, Diction, Body language, Voice modulation. Warming-up freeing activity in rhythmic movement and pantomime.
July'19 & August'19	<ul style="list-style-type: none"> Understanding current issues. Formal performance on stage.
September'19	Half Yearly Exam
October'19 & November'19	<ul style="list-style-type: none"> Reading and understanding the stories of various Indian authors. Performance based on stories from textbooks or story books.
December'19 & January'20	<ul style="list-style-type: none"> Knowledge of the term: Mime and One act play. Exercise in creation of plot and conflict based on: Episodes and happenings in day to day life situations.
February'20	Final Exam

NOTE: Students will be assessed by subject faculty as per grades prescribed by CBSE.

Co-Scholastic Area:
Art Education (Visual Art)

Syllabus: 2019-2020

Class : IX

MONTH	PARTICULARS
April'19 & May'19	<ul style="list-style-type: none"> Creative Pot (3-D) <p>Material Required: Shilpkar (white m-seal), acrylic colour, paint brush, scissors, no stich fabric glue, small steel scale, earthen pot, apron, duster, etc.</p> <ul style="list-style-type: none"> Sketching/ figure study with shading pencils.
July'19 & August'19	<ul style="list-style-type: none"> Recreate a modern art from famous paintings of prominent artists. Print making <p>Material Required: Silver foil roll, scissors, cutter, 12 inch steel scale, painting brushes, water container, duster, black water proof ink, masking tape, piece of A4 size hard board/ mount board, apron, fabric glue, A3 size gateway sheet, A3 size pastel sheet packet, etc.</p>
September'19	Half Yearly Exam
October'19 & November'19	<ul style="list-style-type: none"> Poster Design on a given topic. Foliage study in pencil / colour.
December'19 & January'20	<ul style="list-style-type: none"> Still life study in pencil / colour. Folk Art in acrylic / poster colour.
February'20	Yearly Exam

NOTE: Students will be assessed by subject faculty as per grades prescribed by CBSE.

Co-Scholastic Area:
Art Education (Vocal Music)

Syllabus: 2019-2020

Class : IX

MONTH	PARTICULARS
April'19 & May'19	<ul style="list-style-type: none"> • Different forms of Indian Music. • Practice of Folk Song/ Qawwali.
July'19 & August'19	<ul style="list-style-type: none"> • Definition of Swar- Sudh, Komal, Teevra Saptak- Mandra, Madhya Tar, etc. • Folk Song/ Regional song. • Patriotic Song.
September'19	Half Yearly Exam
October'19 & November'19	<ul style="list-style-type: none"> • Practice of Annual Day Celebration. • Basic knowledge of Indian notation system.
December'19 & January'20	<ul style="list-style-type: none"> • Brief description and Characteristics of Raag- Yaman. • Christmas Carol. • Related matters of Raga E.g., Sargam, Alap, Taan etc.
February'20	Yearly Exam

NOTE: Students will be assessed by subject faculty as per grades prescribed by CBSE.

Co-Scholastic Area:
Art Education (Instrumental Music)

Syllabus: 2019-2020

Class : IX

MONTH	PARTICULARS
April'19 & May'19	<ul style="list-style-type: none"> • Practice of Alankar with Rhythm. • Practice of different types of Patterns in 6, 8 & 14 beats (Drum and Congo.) • Tuning and playing of any one of the following instruments: Sitar, Guitar, Violin, Santoor, etc.
July'19 & August'19	<ul style="list-style-type: none"> • Knowledge of the terms: Sangeet, Dhwani, Naad. • Prayer Practice. • Systematic arrangement of musical instruments in Orchestra.
September'19	Half Yearly Exam
October'19 & November'19	<ul style="list-style-type: none"> • Knowledge of Raga and practice of Raga- Miyan Ki Malhaar. • Practice for Senior Annual Day.
December'19 & January'20	<ul style="list-style-type: none"> • Knowledge of Swar- Sudh, Komal, Teevra and Laya Matra. • Practice of Taal- Dadra and Keherwa.
February'20	Yearly Exam

NOTE: Students will be assessed by subject faculty as per grades prescribed by CBSE.

Co-Scholastic Area:
Art Education (Kathak Dance)

Syllabus: 2019-2020

Class : IX

MONTH	PARTICULARS
April'19 & May'19	<ul style="list-style-type: none"> • Knowledge of flexibility Strength and Stamina. • Cultural blend between Indian and western classical/ folk dance forms.
July'19 & August'19	<ul style="list-style-type: none"> • Knowledge of Teen Tal (Tha, Dugun, Tigun) • Basic steps, movements and techniques in Ghumar and Dandiya folk dance.
September'19	Half Yearly Exam
October'19 & November'19	<ul style="list-style-type: none"> • Practice of Indian Classical Dance – Kathak and its different Gharanas.
December'19 & January'20	<ul style="list-style-type: none"> • Practice of Taktkar and different types of Chakkar and Hastak. • Practice of Tukda, Tihaai.
February'20	Yearly Exam

NOTE: Students will be assessed by subject faculty as per grades prescribed by CBSE.

Co-Scholastic Area:

Syllabus: 2019-2020

Class : IX

Art Education (Bharatanatyam & Contemporary Dance)

MONTH	PARTICULARS
April'19 & May'19	<ul style="list-style-type: none"> • Dance performance based on regional folk/ tribal dance. • Basic stretch and exercises based on martial art forms (Thangta, Chhau, Kalaripayattu, etc)
July'19 & August'19	<ul style="list-style-type: none"> • Style and beat sense and hasta mudras, neck movements, chaari. • Contemporary improvisation, Classical item, techniques of adavus, Ganesh vandana.
September'19	Half Yearly Exam
October'19 & November'19	<ul style="list-style-type: none"> • Jumping, turning, floor work. Contemporary, semi-classical performance, folk dance presentation. • Annual Day Practice.
December'19 & January'20	<ul style="list-style-type: none"> • Improvised performance based on social issues. • One Folk / Tribal/ Hiphop/ Salsa dance presentation.
February'20	Yearly Exam

NOTE: Students will be assessed by subject faculty as per grades prescribed by CBSE.

Year Planner : 2019-2020		Class : IX
MONTH	DATE & DAY	DETAILS
April' 19	01.04.2019 (Monday)	Commencement of the Session
	05.04.2019 (Friday)	Principal's Session
	20.04.2019 (Saturday)	Parent's Workshop : Career Counseling
May' 19	02.05.2019 (Thursday)	Students' Workshop : Social Networking Ethics
	25.05.2019 (Saturday) to 31.05.2019 (Friday)	Summer Break
June' 19	01.06.2019 (Saturday) to 19.06.2019 (Wednesday)	Summer Break
	20.06.2019 (Thursday) to 28.06.2019 (Friday)	PT – 1 Examination
July' 19	18.07.2019 (Thursday)	Students' Workshop : Be Emotional Smart - Managing emotions
	27.07.2019 (Saturday)	Parent Teacher Meeting and Book Fair
August' 19	20.08.2019 (Tuesday)	Educational Visit : Visit to National Science Centre
	08.08.2019 (Friday)	Value Education Workshop : Team Work by IX A
	13.08.2019 (Friday)	Value Education Workshop : Honesty & Integrity by IX B
	17.08.2019 (Saturday)	Parent's Workshop : 3 P's of Positive Parenting
	19.08.2019 (Friday)	Value Education Workshop : Respect for Law and Order by IX C
	22.08.2019 (Monday)	Value Education Workshop : Good Behaviour in Human Interaction by IX D
September' 19	26.08.2019 (Friday)	Value Education Workshop : Time Management by IX E
	07.09.2019 (Saturday) to 16.09.2019 (Monday)	PT – 2 Examination
October' 19	26.09.2019 (Thursday)	Student's Workshop :Self Management
	05.10.2019 (Saturday)	Parent Teacher Meeting and Book Fair
November' 19	09.11.2019 (Saturday)	'Chrysalis', Senior Annual Day & Prize Distribution Ceremony
	11.11.2019 (Monday) to 20.11.2019 (Wednesday)	PT – 3 Examination
	16.11.2018 (Friday)	Senior Sports Day
December' 19	28.11.2019 (Thursday)	Educational Visit : Visit to National Museum
	29.12.19 (Saturday) to 14.01.19 (Monday)	Winter Break
January' 20	25.01.2020 (Saturday)	Parent Teacher Meeting and Book Fair
	03.01.2020 (Friday) to 16.01.2020 (Thursday)	Pre Annual Exam
February' 20	17.01.2020 (Friday) to 16.02.2020 (Sunday)	Final Examination
Note: 1. Dates Proposed are tentative and subject to change. 2. Dates and details of workshops & Educational Visit will be intimated as per the availability of Venue & Resource Person.		

List of Holidays: 2019-2020

Class : IX

MONTH	DATE & DAY	DETAILS
April'19	17th Wednesday 19th Friday	Mahavir Jayanti Good Friday
May'19	18th Saturday	Buddha Purnima
August '19	12th Monday 15th Thursday 24th Saturday	Id – UI – Zuha (Bakrid) Independence Day & Raksha Bandhan Janmashtami
September'19	10th Tuesday	Muharram
October'19	2nd Wednesday 7th Monday & 8th Tuesday 17th Thursday 26th Saturday to 29th Tuesday	Mahatma Gandhi Birthday Dussehra Karva Chauth Diwali Break
November'19	12th Tuesday	Guru Nanak's Birthday
December'19	25th Wednesday	Christmas Day
January'20	26th Sunday	Republic Day