

**Niscort FATHER AGNEL SCHOOL, VAISHALI**

**OUTLINE SYLLABUS (TERM WISE)**

**CLASS X (2018-19)**

<b>SUBJECT</b>	<b>PERIODIC TEST 1</b>	<b>HALF YEARLY</b>	<b>PERIODIC TEST 2</b>	<b>PRE BOARDS</b>
<b>SCIENCE</b>	<p><b><u>PHYSICS:</u></b> Ch-10: Light- Reflection &amp; Refraction</p> <p><b><u>CHEMISTRY</u></b> Ch-1: Chemical reactions and equations Ch-5: Periodic classification of elements</p> <p><b><u>BIOLOGY</u></b> Ch-6: Life Processes (up to Nutrition in plants and animals)</p>	<p><b>PHYSICS:</b> Chapter 10. Light- Reflection &amp; Refraction Chapter 11. Human eye &amp; colorful world Chapter 14. Sources of Energy. <b>Including Practical based questions</b> <b>Practicals :</b></p> <ol style="list-style-type: none"><li>1. To determine the focal length of a given (a) Concave Mirror (b) Convex lens by obtaining the image of a distant object.</li><li>2. To draw the images of an object formed by Convex lens when placed at various positions.</li><li>3. To trace the path of a ray of light passing through a rectangular glass slab for different angles of</li></ol>	<p><b><u>PHYSICS</u></b> Chapter 10. Light- Reflection &amp; Refraction Chapter 11. Human eye &amp; colorful world Chapter 14. Sources of Energy. Chapter 12. Electricity Chapter 13. Magnetic effects of Electric current. <b>Including Practical based questions</b> <b>Practicals</b></p> <ol style="list-style-type: none"><li>1. To determine the focal length of a given (a) Concave Mirror (b) Convex lens by obtaining the image of a distant object.</li><li>2. To draw the images of an object formed by Convex lens when placed at various positions.</li><li>3. To trace the path of a ray of light passing through a rectangular glass slab for different angles of incidence, angle of refraction, angle of emergence and interpret the result.</li><li>4. To trace the path of the rays</li></ol>	<p><b><u>PHYSICS</u></b> Chapter 10. Light- Reflection &amp; Refraction Chapter 11. Human eye &amp; colorful world Chapter 12. Electricity Chapter 13. Magnetic effects of Electric current. Chapter 14. Sources of Energy. <b>Including Practical based questions</b> <b>Practicals</b></p> <ol style="list-style-type: none"><li>1. To determine the focal length of a given (a) Concave Mirror (b) Convex lens by obtaining the image of a distant object.</li><li>2. To draw the images of an object formed by convex lens when placed at various positions.</li><li>3. To trace the path of a ray of light passing through a rectangular glass slab for different angles of incidence, angle of refraction, angle of</li></ol>

		<p>incidence, angle of refraction, angle of emergence and interpret the result.</p> <p>4. To trace the path of the rays of light through a glass prism.</p> <p><b><u>CHEMISTRY</u></b> Chapter 1 -Chemical reactions and equations Chapter 3- Metals and non-metals Chapter 5- Periodic classification of elements <b>Including Practical based questions</b></p> <p><b><u>BIOLOGY</u></b> CH 6-Life Processes CH7-Control and coordination</p> <p><b>EXP 1-</b> To prepare a temporary mount of a leaf peel to show stomata.</p> <p><b>EXP 2-</b> To show experimentally that carbon dioxide is released during respiration.</p>	<p>of light through a glass prism.</p> <p>5. To verify Ohm's law 6. To determine the equivalent resistance of series combination and to determine the equivalent resistance of parallel combination.</p> <p><b><u>CHEMISTRY</u></b> Chapter 1 -Chemical reactions and equations Chapter 3- Metals and non-metals Chapter 4- Carbon and its compounds Chapter 5- Periodic classification of elements <b>Including Practical based questions</b></p> <p><b><u>BIOLOGY</u></b> CH-6: Life Processes CH-7: Control and coordination CH-8: How do organisms Reproduce CH-9: Heredity and evolution (up to pg. no 146 )</p> <p><b>EXP 1-</b> To prepare a temporary mount of a leaf peel to show stomata.</p> <p><b>EXP 2-</b> To show experimentally that carbon dioxide is released during respiration.</p> <p><b>EXP 3-</b> To study a) binary</p>	<p>emergence and interpret the result.</p> <p>4. To trace the path of the rays of light through a glass prism. 5. To verify Ohm's law. 6. To determine the equivalent resistance of series combination and to determine the equivalent resistance of parallel combination.</p> <p><b><u>CHEMISTRY</u></b> Chapter 1 -Chemical reactions and equations Chapter 2- Acids ,Bases and Salts Chapter 3- Metals and non-metals Chapter 4- Carbon and its compounds Chapter 5- Periodic classification of elements <b>Including Practical based questions</b></p> <p><b><u>BIOLOGY</u></b> CH6-Life Processes CH7-Control and coordination CH8-How do organisms reproduce CH9-Heredity and evolution CH15-Our environment CH16-Management of Natural</p>
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			<p>fission in Amoeba. b) budding in yeast with help of prepared slides.</p> <p><b>EXP 4-</b> To study the different parts of an embryo of a dicot seed.</p>	<p>Resources</p> <p><b>EXP 1-</b> To prepare a temporary mount of a leaf peel to show stomata.</p> <p><b>EXP 2-</b> To show experimentally that carbon dioxide is released during respiration</p> <p><b>EXP 3-</b> To study a) binary fission in Amoeba. b) budding in yeast with help of prepared slides</p> <p><b>EXP 4-</b> To study the different parts of an embryo of a dicot seed.</p> <p><b>(Including Practical based questions from all these experiments.)</b></p>
<b>SOCIAL SCIENCE</b>	<p><b><u>CIVICS</u></b> Ch 1 Power Sharing Ch 2 Federalism</p> <p><b><u>GEOGRAPHY</u></b> Ch. 1 Resources and Development</p> <p><b><u>ECONOMICS</u></b> Ch 1.Development</p>	<p><b><u>HISTORY</u></b> Ch 3. Nationalism in India Ch 5. The Age of Industrialization</p> <p><b><u>CIVICS</u></b> 1.Power Sharing 2. Federalism 3. Democracy and Diversity 4.Gender Religion and Caste</p> <p><b><u>GEOGRAPHY</u></b> Ch. 1- Resource And Development Ch3 -Water Ch.4 – Agriculture</p>	<p><b><u>HISTORY</u></b> Ch. 2. The Nationalist Movement in Indo – China Ch.3. Nationalism in India Ch. 5. The Age of Industrialization</p> <p><b><u>CIVICS</u></b> 1.Power Sharing 2. Federalism 3. Democracy and Diversity 4.Gender Religion and Caste 6. Political Parties 7.Outcomes of Democracy</p> <p><b><u>GEOGRAPHY</u></b> Ch. 1- Resource And Development</p>	<p><b><u>HISTORY</u></b> Ch. 7. Print Culture and the Modern World Ch. 2. The Nationalist Movement in Indo - China Ch.3. Nationalism in India Ch. 5.The Age of Industrialization</p> <p><b><u>CIVICS</u></b> 1.Power Sharing 2. Federalism 3. Democracy and Diversity 4.Gender Religion and Caste 6. Political Parties 7.Outcomes of Democracy 8.Challenges to democracy</p> <p>(Entire Syllabus)</p>

		<p><b><u>ECONOMICS</u></b>  Ch1- Development  Ch2- Sectors Of The Economy</p>	<p>Ch3 -Water  Ch.4 – Agriculture  Ch5- Minerals And Energy Resources  Ch6 - Manufacturing</p> <p><b><u>ECONOMICS</u></b>  Ch1- Development  Ch2- Sectors Of The Economy  Ch 3- Money and Credit  Ch4 - Globalisation</p>	<p><b><u>GEOGRAPHY</u></b>  Ch. 1- Resource And Development  Ch3 -Water  Ch.4 – Agriculture  Ch5- Minerals And Energy Resources  Ch6 - Manufacturing  Ch 7 - Lifelines of National Economy</p> <p><b><u>ECONOMICS</u></b>  Ch1- Development  Ch2- Sectors Of The Economy  Ch 3- Money and Credit  Ch4 - Globalisation  Ch 5 – Consumer Rights</p> <p>(Entire Syllabus)</p>
<b>MATHS</b>	<p>2. Polynomials  3.Pair of linear equations in two variables</p>	<p>1. Real Numbers  2. Polynomials  3. Pair of linear equations in two variables  4. Quadratic equations  5. Arithmetic progressions  6. Triangles  7. Coordinate geometry</p>	<p>1. Real Numbers  2. Polynomials  3. Pair of linear equations in two variables  4. Quadratic equations  5. Arithmetic progressions  6. Triangles  7. Coordinate geometry  8. Introduction to Trigonometry  9. Applications of Trigonometry  10. Circles  11. Constructions  12. Areas related to circles  13. Surface areas and volumes</p>	<p>1. Real Numbers  2. Polynomials  3. Pair of linear equations in two variables  4. Quadratic equations  5. Arithmetic progressions  6. Triangles  7. Coordinate geometry  8. Introduction to Trigonometry  9. Applications of Trigonometry  10. Circles  11. Constructions  12. Areas related to circles  13. Surface areas and volumes  14. Statistics  15. Probability</p>

<p><b>ENGLISH</b></p>	<p>Literature Reader  1. Two Gentlemen of Verona  2. The Frog and the Nightingale  Long Reading  The Story of My Life- Helen Keller  (Chapters: 1-5)  Main Course Book  1. Health and Medicine  Writing  1. Formal Letter (Letter of Complaint)  2. Formal Letter (Letter for placing an order)  Grammar  1. Determiners  2. Subject- verb agreement  3. Tenses    <b>ENRICHMENT ACTIVITY</b>  Speaking Skill</p>	<p>Topics covered in Period 1 +  Literature Reader  1. Mrs Packletide's Tiger  2. The Letter  3. The Dear Departed  4. Not Marble, nor the Gilded Monuments  Long Reading  The Story of My Life- Helen Keller  (Chapters: 1-14)  Main Course Book  1. Education  2. Science  Writing  1. Formal Letter (Letter to the Editor)  2. Story Writing  Grammar  1. Non- finites  2. Relatives  3. Connectors  4. Conditionals    <b>ENRICHMENT ACTIVITY:</b>  Listening Skill</p>	<p>Literature Reader  1. Virtually true  2. Julius Caesar  3. The Rime of the Ancient Mariner  Long Reading  The Story of My Life- Helen Keller  (Chapters: 15-17)  Main Course Book  1. Environment  Writing  1. Formal Letter (Letter of Inquiry)  2. Story Writing  Grammar  1. Comparison  2. Reported Speech  3. Prepositions  4. Modals    <b>ENRICHMENT ACTIVITY:</b>  Speaking Skill</p>	<p>Entire syllabus (including Period 1, Semester 1, Period 2 and Semester 2)  Literature Reader  1. A Shady plot  2. Patol Babu  3. Ozymandias  4. Snake  Long Reading  The Story of My Life- Helen Keller  (Chapters: 1-23)  Main Course Book  1. Travel and tourism  2. National integration  Writing  1. Story Writing  Grammar  1. Voice  2. Nominalisation  3. Avoiding repetition    <b>ENRICHMENT ACTIVITY:</b>  Listening Skill</p>
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<b>HINDI</b>	<p><b>पाठ-</b> बड़े भाई साहब, डायरी का एक पन्ना ,</p> <p><b>कविता-</b> साखी (कबीर)</p>	<p><b>पाठ-</b> बड़े भाई साहब, डायरी का एक पन्ना , ततौरा-वामीरो कथा, तीसरी कसम के शिल्पकार</p> <p><b>कविता-</b> साखी (कबीर), मीरा के पद, पर्वत प्रदेश में पावस, तोप</p> <p><b>कृतिका</b> –हरिहर काका</p> <p><b>व्याकरण-</b>मुहावरे , शब्द एवं पद में अंतर, रचना के आधार पर वाक्य ,औपचारिक-पत्र , समास, संवाद लेखन, अशुद्धि संशोधन, सूचना-विज्ञापन , अपठित गद्यांश/अपठित पद्यांश</p>	<p><b>पाठ-</b>गिरगिट , अब कहाँ दुसरे के दुख से दुखी होने वाले , पतझड़ में टूटी</p> <p><b>कविता-</b> बिहारी के दोहे , मनुष्यता , कर चले हम फ़िदा , आत्मत्राण</p> <p><b>कृतिका-</b>सपनों के से दिन</p> <p><b>व्याकरण-</b> अशुद्धि संशोधन, समास , मुहावरे , शब्द एवं पद में अंतर, रचना के आधार पर वाक्य ,औपचारिक-पत्र , समास, संवाद लेखन, अशुद्धि संशोधन, सूचना-विज्ञापन , अपठित गद्यांश/अपठित पद्यांश</p>	<p><b>पाठ-</b> बड़े भाई साहब, डायरी का एक पन्ना , ततौरा-वामीरो कथा, तीसरी कसम के शिल्पकार, गिरगिट , अब कहाँ दुसरे के दुख से दुखी होने वाले , पतझड़ में टूटी, कारतूस</p> <p><b>कविता-</b> साखी (कबीर), मीरा के पद, पर्वत प्रदेश में पावस, तोप , बिहारी के दोहे , मनुष्यता , कर चले हम फ़िदा , आत्मत्राण, मधुर-मधुर मेरे दीपक जल</p> <p><b>कृतिका-</b> हरिहर काका, सपनों के से दिन, टोपी शुक्ला</p> <p><b>व्याकरण-</b> अशुद्धि संशोधन, समास , मुहावरे , शब्द एवं पद में अंतर, रचना के आधार पर वाक्य ,औपचारिक-पत्र , समास, संवाद लेखन, अशुद्धि संशोधन, सूचना-विज्ञापन , अपठित गद्यांश/अपठित पद्यांश</p>
<b>COMPUTER</b>	Ch- 1,2		Ch- 1-8	All chapters (Ch- 1-10)