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Details of Distribution of Activities

Subject - Algebra

Grade - X

| Sr. No. | Chapter Name | Multiple Assessment Details | Subject Enrichment Activity Details | Portfolio Details |
|---------------------------------|--|-----------------------------|---|--|
| <u>Periodic Test-I</u> | | | | |
| 1. (April) | Real Numbers | Pen Paper Test | Can 72 and 20 respectively be the LCM and HCF of two numbers Write down the reason? | Informative write up on Carl Fredrich Gauss and his contribution in the field of mathematics |
| 2. (June) | Polynomials | Pen Paper Test | Make a video on factorization of quadratic polynomial $x^2 + 3x + 2$. | |
| <u>Periodic Test-II</u> | | | | |
| 3. (July) | Pair of Linear Equation in Two Variables | Pen paper Test | Maths Journal activity | |
| 4. (August) | Quadratic Equations | Pen paper Test | Completing the Square method Geometrically | |
| 5. (Sept) | Arithmetic Progression | Multiple choices | The first and the last terms of an AP are 8 and 350 respectively. If it's common difference is 9, how many terms are there and what is their sum? | Make a PPT |
| <u>Summative Test -I</u> | | | | |
| 6. (Sept) | Statistics | Pen Paper Test | Collect the daily maximum temperatures recorded for a period of 30 days in your place. Present this data as a grouped frequency table | Report on the activity given |
| 7. (October) | Probability | Pen paper Test | In a leap year what is the probability of 53 Sundays? | Informative write up on the probability theory. |
| <u>Prelims</u> | | | | |
| 8. | Revision | | | |



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Details of Distribution of Activities

Subject -Maths (Geometry)

Grade -X

| Sr. No. | Chap. No. | Chapter Name | Month | Multiple Assessment Details | Subject Enrichment Activity Details | Portfolio Details |
|---------------------------------|-----------|-----------------------------------|-----------|-----------------------------|--|---|
| <u>Periodic Test-I</u> | | | | | | |
| 1. | 6. | Triangles | April | Pen paper test | Ratio of the areas of two similar triangle | Informative write up on Pythagoras theorem |
| 2. | 7. | Coordinate Geometry | June | Plotting a graph | A (6,1), B (8,2), C (9,4) are the three vertices parallelogram ABCD, If E is the midpoint of DC then find the area of triangle ADE | |
| <u>Periodic Test-II</u> | | | | | | |
| 3. | 8. | Introduction to Trigonometry | July | Orals | Make a poster of trigonometry ratios | |
| 4. | 9. | Some Applications of Trigonometry | August | | Making of a Clinometer | Make ppt on real life application of trigonometry |
| 5. | 10. | Circles | September | Orals on formulas | Area of a circle by paper cutting and pasting method | |
| <u>Summative Test -I</u> | | | | | | |
| 6. | 11. | Constructions | September | | Tangents drawn from an external point | |
| 7. | 12. | Areas Related to Circles | October | Interview | Area of sectors formed at the vertices of a triangle | Derive formula of area of a sector of an angle theta, and length of an arc of a sector of a |

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|-----------------------|-----|------------------------------|---------|--|--|-------------|
| | | | | | | angle theta |
| 8. | 13. | Surface Areas And Volumes | October | | Curved Surface Area of a Right Circular Cone Formula | |
| <u>Prelims</u> | | | | | | |
| 9. | | Revision | | | | |