Mathematics Annual & Weekly Syllabus Split-Up - 2025-26 Grade 11 (APPLIED MATH)

| S.No | Month | No. of Working Days | | No. of Days | Торіс | Sub Topic | Resources | Activity | Mid April Test | Periodic Test 1 | Pre Mid Term | Mid Term | Periodic Test 2 | Post Midterm | Annual |
|------|------------|--|--------------------|----------------|--------------------------------|---|---|---|----------------------|---------------------------------------|-------------------------|---------------------------------------|--------------------|-----------------|--------------|
| 1 | | Week 1 | | | | | | | | | | | | | |
| | | | Week 2 | 6 | | | | | | | | | | | 1 |
| | March | | Week 3 | 5 | | | | | | | | | | | |
| | | | Week 4 Week 5 | 6 | | | | | | | | | | | |
| 2 | | | Week 1 | 5 | Bridge Course | Number system | | Practice Questions | | | | | | | |
| | | | Week 2 | 5 | Bridge Course | Algebra | | Practice Questions | | | | | | | |
| | APRIL | 23 | Week 3 | 4 | Bridge Course | Inroduction to Trigonometry | | Practice Questions | | | | | | | |
| | | | Week 4 | 6 | Bridge Course | Some Basic concepts of calss 8 to 10 | | Practice Questions | | | | | | | |
| | | | Week 5 | 3 | Bridge Course | Revision and Class Test | | Practice Questions Practice Questions √ | | | | | <u> </u> | | |
| 3 | | | Week 1 | 0 | | | | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | I | | | |
| | | | Week 2 | 6 | Numbers | identify Prime numbers, Express decimal numbers | Applied Mathematics (M.L.Bhargava), Smart | Practice Questions | | | | | V | | |
| | JUNE | 19 | Week 3 | 6 | Indices and Logarithm | Relate indices and log, Garithm Find log and antilog. Applied Mathematics (M.L.Bhargava), Smart Practice Questions | | √ | | √ | | | V | | |
| | | | Week 4 | 6 | Quantitative aptitude | distance, Seating | Applied Mathematics (M.L.Bhargava), Smart | Practice Questions | | √ √ √ | √ | | | √ | |
| | | | Week 5 | 1 | Sets and Relation | Sets and its representation, Types of sets, Venn cartesian product of sets, | Applied Mathematics (M.L.Bhargava), Smart | Math Lab: Activity | | | | | √ | | |
| | | Week 1 5 Sets and Relation relation and types of M.L.Bhargava), Smart Week 2 6 Sequences and Series A.P. Applied Mathematics (M.L.Bhargava), Smart | Week 1 | 5 | Sets and Relation | | | Practice Questions | | | | | | | √ |
| | | | Practice Questions | | | | √ | | | √ | | | | | |
| 4 | JULY | 27 | Week 3 | 6 | Sequences and series | G.P | Appuea Mainemaiics (M.L.Bhargava), Smart | | | | | | | | \checkmark |
| | | | Week 4 | 6 | Permutation and Combination | Factorial, fundamental principal of coounting, | Applied Mathematics (M.L.Bhargava), Smart | Practice Questions | | √ | | | √ | | |
| | | | Week 5 | 4 | Permutation and combination | Combinations | Applied Mathematics (M.L.Bhargava), Smart | Practice Questions | | | St 1 Term Term Test 2 M | | √ | | |
| | | | Week 1 | 2 | Functions | Functions, Domain and range, types of functions | Applied Mathematics (M.L.Bhargava), Smart | Math Lab : Activity | | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | V | |
| | | | Week 2 | 5 | Function | Graphical representation of functions | Applied Mathematics (M.L.Bhargava), Smart | Math Lab : Activity | | | | | √ | | √ |
| 5 | AUGUS T | 23 | Week 3 | 5 | Revision | | Applied Mathematics (M.L.Bhargava), Smart | | | | | | | | √ |
| | | | Week 4 | 6 | Revision | | Applied Mathematics (M.L.Bhargava), Smart | | | | | | | | √ |
| | | | Week 5 | 5 | Revision | | Applied Mathematics (M.L.Bhargava), Smart | Practice Questions | | | | | | | ļ |
| | | | Week 1 | 5 | Term 1 | | | | | | | | | | |

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|----|---------------|----|--------|-----------------|----------------------------------|---|---|--|-----------------------|--------------------------------|--------------------|---------|----------------------|--------|----------|--|---|--|---|--|--|--------|---|--|--|
| | | | Week 2 | 6 | Term 1 | | | | | | | | | | | | | | | | | | | | |
| 6 | SEPTE MBER | 25 | Week 3 | 6 | Limits and Continuity | Limits and continuity of functions | Applied Mathematics (M.L.Bhargava), Smart | Practice Questions | | | | | | √ | V | | | | | | | | | | |
| | MDEK | | Week 4 | 6 | Differentiation | Rate of change, derivative of function. | Applied Mathematics (| Practice Questions | | | | | | ٦/ | √ √ | | | | | | | | | | |
| | | | | | | Tangents and equation of | M.L.Bhargava), Smart Applied Mathematics (| | | | | | | V | | | | | | | | | | | |
| | | | Week 5 | 2 | Differentiation | tangents Random Experiment, | M.L.Bhargava), Smart Applied Mathematics (| Practice Questions | | Limits | Limits | Annlied | Dunation | | V | | | | | | | | | | |
| | | | Week 1 | 3 | Probability | Event, | M.L.Bhargava), Smart | Math Lab : Activity | | and | and | Mathem | Question | | √ | | | | | | | | | | |
| 7 | | | Week 2 | 6 | Probability | Conditional probability, Bayes Theorem | Applied Mathematics (M.L.Bhargava), Smart | Math Lab : Activity | | and | Define instanta | | Practice Question | | √ | | | | | | | | | | |
| | ОСТОВ | 13 | Week 3 | 4 | Descriptive statistics | Data, Interpretation data, Measure of dispersion | Applied Mathematics (| Practice Questions | | | | munem | Question | | V | | | | | | | | | | |
| | ER | 13 | | | Descriptive statistics | Skweness and Kurtosis, | M.L.Bhargava), Smart Applied Mathematics (| - | | | | | | | · | | | | | | | | | | |
| | | | Week 4 | 0 | Descriptive statistics | percentile rank, quartile | M.L.Bhargava), Smart | Practice Questions | | | | | | | ļ | | | | | | | | | | |
| | | | Week 5 | 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | Week 1 | 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | Week 2 | 5 | compound interest and Annuity | Interest and interest rate, Accumulation with simple | Applied Mathematics (M.L.Bhargava), Smart | Practice Questions | | | | | | | V | | | | | | | | | | |
| 8 | NOVEM | 23 | Week 3 | | Compound interest and | Effective rate, present | Applied Mathematics (| Practice Questions | | | | | | √ √ | | | | | | | | | | | |
| | BER | | | 6 | Annuity | value and future value, Tax calculation, simple tax, | M.L.Bhargava), Smart Applied Mathematics (| | | | | | | V | | | | | | | | | | | |
| | | | Week 4 | 6 | Taxation | Gods and service tax | M.L.Bhargava), Smart | Math Lab:Activity | | Limits Define Applied Practice | | | | √ | | | | | | | | | | | |
| | | | Week 5 | 6 | Taxation | CGST, SGST, UTGST | Applied Mathematics (M.L.Bhargava), Smart | Math Lab:Activity | | | | √ | | | | | | | | | | | | | |
| | | | Week 1 | 6 | Utility Bill | Bills, Tarrif rates, fixed charges, service charge | Applied Mathematics (M.L.Bhargava), Smart | Math Lab:Activity | | | | | | | V | | | | | | | | | | |
| | DECEM BER | 20 | 20 | | Week 2 | 6 | Utility Bill | Electricity Bill, Water supply bills. | Applied Mathematics (| Math Lab:Activity | | | | | | | V | | | | | | | | |
| 9 | | | | | | | Slope of line, Angle | M.L.Bhargava), Smart Applied Mathematics (| • | | | | | | | | | | | | | | | | |
| 9 | | | Week 3 | 6 | Straight Line | between two lines, Find the Find the perpendicular | M.L.Bhargava), Smart Applied Mathematics (| Practice Questions | | | | | | | √ | | | | | | | | | | |
| | | | Week 4 | 2 | Straight Line | distance between two | M.L.Bhargava), Smart | Practice Questions | ions | | | | | √ | | | | | | | | | | | |
| | | | Week 5 | 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | Week 1 | 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | Week 2 | 6 | Circles and Parabola | Circle, Different forms of equation of circles. | Applied Mathematics (| Practice Questions | | | | | | | V | | | | | | | | | | |
| 10 | JANUA | 22 | | | | Define parabola and | M.L.Bhargava), Smart Applied Mathematics (| | | | | | | | | | | | | | | | | | |
| | RY | 22 | Week 3 | 5 | Circles and Parabola | equaion of parabola | M.L.Bhargava), Smart | Practice Questions | | | | | | | √ | | | | | | | | | | |
| | | | Week 4 | 6 | Revision | | | | | | | | | | | | | | | | | | | | |
| | | | Week 5 | 5 | Revision | | | | | | | | | | | | | | | | | | | | |
| | | | Week 1 | 6 | Revision | | | | | | | | | | | | | | | | | | | | |
| | | | Week 2 | Week 2 Parision | | | | | | | | | | | | | | | | | | | | | |
| 11 | FEBRU ARY | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | Week 3 | 6 | | | | | + | | | | | | |
| | AKY | | | | | | | | | | | | | | | | | | | | | week 3 | 5 | | |

| | | | Week 4 | 6 | | | | | | | |
|----|-------|----|--------|--------|---|--|--|--|-----|---|--|
| | | | Week 5 | 0 | | | | | i I | | |
| 12 | MARCH | | Week 1 | 5 | | | | | i | | |
| | | 22 | | Week 2 | 6 | | | | | 1 | |
| | | | Week 3 | 5 | | | | | | | |
| | | | Week 4 | 5 | | | | | Ī | | |
| | | | Week 5 | 1 | | | | | | | |