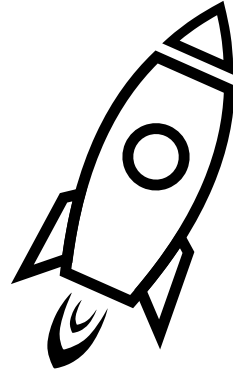# EDTRACK MATH MASTERY CLASS

EDTRACK

Math Founders (Grade 1-2) Curriculum.

MODULE 06
Data and Probability

05 MODULE
Geometry

MODULE 04
Measurement

03 MODULE
Fractions

MODULE 02
Basic Operations

01
Number and Numeration

Objectives: Develop foundational number skills, introduce basic operations, and understand simple measurements and geometry.

NUMBER AND NUMERATION

- Counting (forward and backward)
- Place value (units, tens, hundreds)
- Reading and writing numbers (up to 1,000)

BASIC OPERATIONS

- Simple addition and subtraction (single-digit and two-digit numbers)
- Introduction to multiplication (using objects and arrays)
- Introduction to division (sharing equally)
- Word problems involving basic operations
- Mental math strategies for basic operations

FRACTIONS

- ⭐ Understanding halves and quarters
- ⭐ Understanding the terms numerator and denominator
- ⭐ Identifying and shading simple fractions.

MEASUREMENT

- ⭐ Length (non-standard and standard units)
- ⭐ Time (reading clocks to the hour and half-hour)
- ⭐ Weight (non-standard units)
- ⭐ Money

GEOMETRY

- ⭐ Identifying and naming 2D shapes (circle, triangle, square, rectangle)
- ⭐ Basic properties of 2D shapes (sides and corners

- Sorting and classifying objects
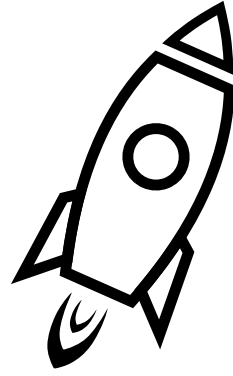
- Introduction to pictographs

EDTRACK MATH MASTERY CLASS

Math Builders (Grade 3-4) Curriculum.

MODULE 06
Capstone Project

05 MODULE
Data and Probability

MODULE 04
Geometry

03 MODULE
Measurement

MODULE 02
Fractions and Decimal

01
Number and Numeration

EDTRACK

Objectives: Strengthen operations, introduce fractions and decimals, and explore more complex geometry and data analysis.

NUMBER AND NUMERATION

- Place value (up to thousands)

- Reading and writing numbers (up to 10,000)

- Comparing and ordering numbers

- Addition and subtraction with larger numbers (up to 6 digits).

- Multiplication and division (2-digit by 1-digit numbers).

- Estimation and rounding (nearest 10, 100)

FRACTIONS AND DECIMALS

- Simple equivalent fractions

- Addition and subtraction of fractions with the same denominator

- Introduction to decimals (tenths and hundredths)

MEASUREMENT

- Length, weight, and volume (using standard units)

- Time (reading clocks to the minute, understanding am/pm)

- Introduction to perimeter

- Money skills (global currency value).

GEOMETRY.

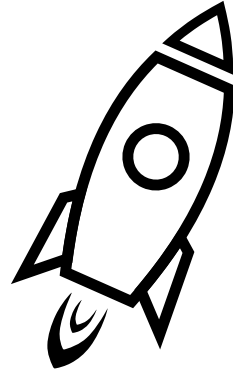⭐ Properties of 2D shapes and introduction to 3D shapes

⭐ Symmetry and tessellations

DATA AND PROBABILITY

⭐ Collecting and organizing data

⭐ Drawing bar graphs

⭐ Simple probability concepts (likely/unlikely, certain/impossible)

EDTRACK MATH MASTERY CLASS

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Math Explorers (Grade 5-6) Curriculum.

MODULE 06
Exam Prep Support

05 MODULE
Data and Probability

MODULE 04
Geometry

03 MODULE
Measurement

MODULE 02
Fraction, Decimals and Percentages

01
Number and Numeration

Objectives: Prepare students for standardized exams with advanced operations, fractions, and applied math.

NUMBER AND NUMERATION

- Place value (up to millions)

- Reading and writing numbers (up to millions)

- Multiplication and division (multi-digit numbers)

- Prime numbers, factors, and multiples.

- Order of operations (BODMAS/BIDMAS).

- Sequence

FRACTIONS, DECIMALS AND PERCENTAGES

- Equivalent fractions

- Addition and subtraction of fractions with different denominators

- Converting fractions to decimals and percentages

- Word problems involving fractions, decimals, and percentages

- Addition and subtraction of decimals

GEOMETRY

- Properties of 2D and 3D shapes

- Basic coordinate geometry (first quadrant)

MEASUREMENT

⭐ Length, weight, and volume (standard units and conversions)

⭐ Time (24-hour clock and elapsed time)

⭐ Area and perimeter of rectangles and compound shapes

⭐ Time zones (global exposure)

⭐ Money skills (concept of profit and loss)

DATA AND PROBABILITY

⭐ Collecting and interpreting data

⭐ Bar graphs, pie charts, and line plots

⭐ Mean, median, mode, and range

Note: This curriculum is skills based as it is curated from both Nigeria and Cambridge curriculum to give your child all-round mathematics skill.

EDTRACK MATH MASTERY CLASS
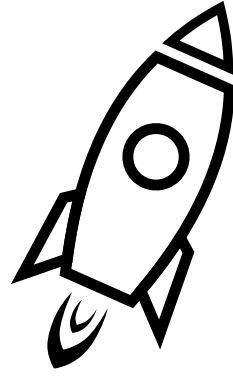
Math Champions (Grade 7-8) Curriculum.

EDTRACK

MODULE 06
Data and Probability Capstone Project

05 MODULE
Measurement

MODULE 04
Geometry and Trigonometry

03 MODULE
Fractions, Decimals, and Percentages

MODULE 02
Algebra

01
Number and Numeration

Objectives: Transition to advanced concepts, including algebra and trigonometry

NUMBER AND NUMERATION

- Whole numbers, integers, and rational numbers

- Powers, roots, and standard form

- Estimation and approximation

ALGEBRA

- Introduction to algebraic expressions and equations

- Solving linear equations

- Using formulas

- Application of algebra in engineering and data science

FRACTIONS, DECIMALS AND PERCENTAGES

- Ratio and proportion

- Word problems involving mixed fractions and percentages

MEASUREMENT

- Volume of geometric solids

- Unit conversions

GEOMETRY AND TRIGONOMETRY

- Properties of polygons and circles

- Introduction to angles (types and properties)

- Area and perimeter of circles, triangles, and parallelograms

- Introduction to basic trigonometry (right-angled triangles)

- Application of geometry in construction

DATA AND PROBABILITY

- Constructing and interpreting line graphs

- Introduction to data analysis

- Probability experiments and tree diagrams

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EDTRACK MATH MASTERY CLASS
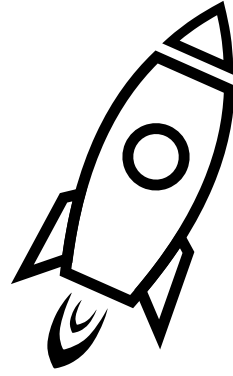
Math Innovators (Grade 9-10) Curriculum.

MODULE 06
Exam Prep Support

05 MODULE
Statistics and Probability

MODULE 04
Measurement

03 MODULE
Geometry and Trigonometry

MODULE 02
Algebra

01
Number and Numeration

Objectives: Advanced math skills, including algebra, geometry, and statistics, for standardized exams.

EDTRACK

NUMBER AND NUMERATION

- Standard form and scientific notation
- Indices and roots
- Surds

ALGEBRA

- Quadratic equations and factorization
- Simultaneous equations
- Sequences and series

GEOMETRY AND TRIGONOMETRY

- Coordinate geometry (distance between points, gradients)
- Trigonometric ratios and equations

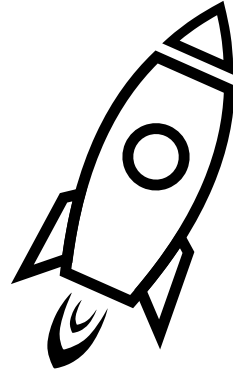 Properties of polygons and transformations

MEASUREMENT

⭐ Surface area and volume of cylinders, cones, and spheres

⭐ Conversion between units of measurement

STATISTICS AND PROBABILITY

⭐ Cumulative frequency and histograms

⭐ Introduction to probability distributions

Note: This curriculum is skills based as it is curated from both Nigeria and Cambridge curriculum to give your child all-round mathematics skill.

EDTRACK MATH MASTERY CLASS

Math Legends (Grade 11-12) Curriculum.

MODULE 06
Exam Prep Support

05 **MODULE**
Statistics and Probability

MODULE 04
Calculus

03 **MODULE**
Geometry and Trigonometry

MODULE 02
Algebra

01
Number and Numeration

EDTRACK

Objectives: Mastery of advanced math topics for higher education and standardized exams.

NUMBER AND NUMERATION

- Advanced indices and logarithms

- Binomial theorem

- Complex numbers

ALGEBRA

- Advanced functions and graphs

- Matrices and determinants

- Polynomials

GEOMETRY AND TRIGONOMETRY

- Trigonometric identities and equations

- Vectors in 2D and 3D

CALCULUS

🌟 Differentiation and integration

🌟 Applications of differentiation (optimization, rates of change)

🌟 Applications of integration (area under curves, volumes of revolution)

STATISTICS AND PROBABILITY

🌟 Probability distributions (binomial, normal)

🌟 Hypothesis testing

🌟 Statistical inference

Note: This curriculum is skills based as it is curated from both Nigeria and Cambridge curriculum to give your child all-round mathematics skill.