



T. GARCIA
EDUCATION

Form 3

Math Lessons

Taught by
Mrs. Teenisha Heath-Adams

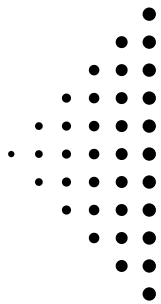
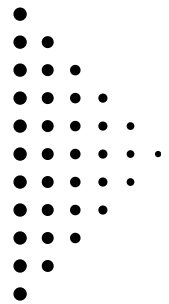


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01



Goal Outcomes

At the end of the term, students will:

- be done with the term's Mathematics topics as outlined by the Ministry of Education of Trinidad and Tobago (See appendices 1 & 2);
 - have more self-confidence (*especially as it pertains to their mathematics achievement*);
 - be more accountable & responsible;
 - appreciate their unique types of intelligence;
 - understand how they learn;
 - develop proper test-taking strategies for Mathematics
 - learn how to regulate themselves to be more focused;
 - know how to develop their own systems & strategies for learning, and;
 - have improved grades in Mathematics.
- 

Class Overview

02

Schedule:

- Thursdays from 3:30 p.m. to 5:30 p.m

Location

- Sumadh Gardens, Vistabella, San Fernando.

Structure and Support

- Mrs. Heath-Adams will go through the term's topics with the students. During sessions, she will spend some of the time teaching the entire group and some of the time providing individual attention to students as needed.
- Students may also be placed in smaller groups of 2 or 3 to engage in peer-learning guided by Mrs. Heath-Adams.
- Throughout the school term, students will be able to post their Math homework and assignments in the Class Whatsapp group where they will get help from their peers and/or Mrs. Heath-Adams. This way, students can remain on top of their schoolwork.

Materials needed:

- Regular writing materials (Pens & Notebooks)

Cost:

- TT\$500 (due at the beginning of every month)

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Meet the Teacher

Teenisha Heath-Adams (formerly Teenisha Garcia) is a Mathematics teacher, Businesswoman and the Founder of T. Garcia Education.

Mrs. Heath-Adams attended St. Joseph's Convent San Fernando (2016 - 2013) after which she went on to study at the University of Trinidad and Tobago from 2014 to 2018. She obtained her Bachelor's in Education with a Specialisation in Secondary Mathematics (*Summa Cum Laude*). She also graduated as the top student of the graduating year at the Centre For Education Programme.

Over the last decade, Teenisha has taught students of all ages and abilities ranging from primary school students to adults repeating CXC exams. She believes in a holistic approach to education and focuses on helping students to become lifelong learners by increasing their self-confidence and appreciation for their individual abilities.

Read more about Teenisha's work with T. Garcia Education in this article published by the Newsday: <https://newsday.co.tt/2022/10/12/teenisha-garcia-pays-forward-the-gift-of-education/>



Follow on Social Media:



@teenishaheathadams

04

Appendices

Framework for Mathematics Curriculum

Form Three

TERM ONE	TERM TWO	TERM THREE
<p>NUMBER OPERATIONS AND NUMBER THEORY: Real Numbers and Number Bases problem solving using the four operations; irrational numbers; approximation of irrational numbers; subsets of the set of real numbers and representation of their relationships; sums and differences in base 2 and base 3</p> <p>MEASUREMENT: Area and Perimeter of Compound Shapes Involving Parts of the Circle interpret formulae for length of arc and area of sector; apply formulae for length of arc and area of sector; apply formulae to determine perimeter and area of compound shapes involving parts of a circle</p> <p>MEASUREMENT: Surface Area and Volume of Prisms and Pyramids calculate surface area; calculate volume; problem solving</p> <p>MEASUREMENT: Scales and Scalar Measurement determine distances using scales; create 2-D drawings given a scale; create 3-D models of prisms from nets; calculate length, area, and volume given a scale factor; use of appropriate units and tools for problem solving</p>	<p>MEASUREMENT: Consumer Arithmetic problem solving with rates: salaries, wages, overtime, utility bills; concept of compound interest; calculation of compound interest; problem solving involving compound interest</p> <p>ALGEBRA : Solution of Linear Equations Involving Algebraic Fractions solution of linear equations involving algebraic fractions; problem solving</p> <p>ALGEBRA: Solution of Linear Inequalities Involving Algebraic Fractions solution of linear inequalities involving algebraic fractions; representation on the number line and the Cartesian plane; problem solving</p> <p>ALGEBRA: Solution of Simultaneous Equations terminology; simultaneous equations; modelling problems using mathematical concepts; solution of simultaneous equations by the methods of calculation; problem solving</p> <p>SETS, RELATIONS AND FUNCTIONS: Venn Diagrams representation of the real number system; problem solving; simultaneous equations</p>	<p>ALGEBRA: Laws of Indices bases and exponents; evaluation of exponential forms; interpretation of laws of indices; problem solving</p> <p>ALGEBRA: Simplifying Algebraic Expressions binary expressions; product of two binomial expressions; simplification of algebraic products; HCF of two algebraic expressions; simplification of algebraic quotients</p> <p>ALGEBRA: Factorisation of Algebraic Expressions binomial factorisation; factorisation of expressions involving sums and differences up to four terms</p> <p>ALGEBRA: Quadratics quadratic expression; factorisation; differentiation between expressions and equations; solution of the quadratic equation by the method of factorisation</p> <p>GEOMETRY: Polygons concept of a polygon in concrete, representational and abstract modes; problem solving</p>

Summary of Form 3 Topics taken from Pg 41 of the Secondary School Mathematics Curriculum Guide by the Ministry of Education of Trinidad and Tobago.

See full curriculum here:

<https://wpuploadstorageaccount.blob.core.windows.net/corporate/2022/07/9-SCR-Mathematics-Curriculum-Guide.pdf>

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Appendices

Framework for Mathematics Curriculum

Form Three

TERM ONE	TERM TWO	TERM THREE
<p>GEOMETRY: Congruency concept of congruency of triangles; proof of congruency of triangles; apply properties to problem solving</p> <p>GEOMETRY: Similarity concept of similarity; conditions for similarity; deductions given information; application of the properties of similar triangles; concept of a scale factor; concept of an enlargement; application of the properties of enlargement to problem solving</p> <p>GEOMETRY: Right-Angled Triangles and Pythagoras Theorem demonstration of Pythagoras theorem; application of Pythagoras theorem; modelling for problem solving</p> <p>GEOMETRY: Trigonometric Ratios concept; definition; calculation; application; concept of angles of elevation and depression; application of trigonometric ratios to solve for angles of elevation and depression</p> <p>GEOMETRY: Construction logic and reasoning for supporting conjectures; construction of triangles; construction of parallel and perpendicular lines; lines, angles axes and direction; compound shapes; circles; quadrilaterals; regular polygons; 2-D and 3-D geometric objects</p>	<p>SETS, RELATIONS AND FUNCTIONS: Graphs of Linear Equations concept of gradient; calculation of gradient; positive and negative slopes; concept of parallel lines; concept of y-intercept; equation of a straight line; linear relations on the Cartesian plane; modelling for problem solving</p> <p>SETS, RELATIONS AND FUNCTIONS: Graphical Solutions to Simultaneous Equations representation on the Cartesian plane; application of graphical methods to determine an ordered pair; application of the concept of the point of intersection to problem solving</p>	<p>STATISTICS AND PROBABILITY: Introduction to Probability outcome of an experiment; concept of probability; terminology: event, certainty, change, fairness, possibility, risk; application of the probability formula; calculation of probability; range of values for probability; notation; probability in decision making; problem solving</p>

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Contact Info.

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