



Secondary School Mathematics Teacher Recommendation Form CONFIDENTIAL

To Parent/Guardian: This form is to be completed by the applicant's **current** or **most recent** mathematics teacher and sent either **directly** to the American International School of Lusaka by e mail (admissions@aislusaka.org), fax (+260 1 260538) by the teacher, or sent in a sealed envelope with the application form. It will be used to help place your child in the appropriate mathematics class in our school. Thank you for your cooperation.

To Teacher: Please could you fill out this form to the best of your knowledge of the applicant. If your answers cannot be expressed in this form, please feel free to annotate your answers with commentary. Please note this is a confidential reference and should either be returned directly to the school, or sent via the parents in a sealed envelope. Thank you for your assistance.

Name of applicant: _____

Name of current school: _____

Teacher's name and position: _____

E mail address: _____

How long have you known the student: _____

Math course currently enrolled in: _____

Textbook(s) used in this class (title and publisher): _____

Is the student involved in any special classes such as an advanced course, or remedial level course. If so, please could you give details:

Math course recommended for next school year: _____

Please could you evaluate this student in term of his or her ability to succeed in mathematics at our school. Please circle the number which in your opinion best applies to the student.

Rating system: 1 = poor (bottom 10%) 2 = below average 3 = average
 4 =above average 5 =superior (top 10%)

Academic motivation and work habits	1	2	3	4	5
Academic potential	1	2	3	4	5
Mathematical ability – conceptual	1	2	3	4	5
Mathematical ability – computation	1	2	3	4	5
Maturity in comparison with others of same age	1	2	3	4	5
Cooperation with other students	1	2	3	4	5
Consistency in completing assigned work	1	2	3	4	5
English proficiency	1	2	3	4	5
Overall recommendation	1	2	3	4	5

Please could you place a mark against those items that you believe the student has covered in his/her mathematics course.

covered
mastered

Algebra

- Basic Statistics
- Algorithm of whole numbers
- Fractions and Decimals
- Ratio and Proportion
- Percentages
- Solving and Graphing Linear Equations
- Solving and Graphing Linear Inequalities
- Systems of Linear Equations
- Laws of Exponents
- Factoring Polynomials
- Simplifying Rational Expressions
- Quadratic Equations and its graph
- Functions, Domain and Range
- Complex numbers
- Polynomial Functions
- Synthetic Division
- Rational Functions
- Exponential Functions
- Logarithmic Functions
- Trigonometric Ratios and Functions
- Trigonometric Graphs and Identities
- Sequence and Series
- Permutations, Combinations and Probability

covered
mastered

Geometry

- Lines and Angles
- Properties of Triangles
- Congruent Triangles
- Similar Triangles
- Right Triangles
- Basic Trigonometry
- Polygons (Quadrilaterals, Parallelograms)
- Circles, Tangents, Arcs and Chords\
- Transformations
- Areas and Volumes
- Venn Diagrams
- Union and Intersection of Sets
- Set Notation

Covered
mastered

Advanced Mathematics

- Inverse Functions
- Function of a Function
- Solving Exponential Equations
- Solving Logarithmic Equations
- Inverse Trigonometric Functions
- Solving Trigonometric Equations
- Sum and Difference Formulas
- Multiple Angle Formulas
- Laws of Sines and Cosines
- Vectors in a Plane
- Conics
- Polar Coordinates
- Differential Calculus
- Integral Calculus

At AIS we have ability-based classes in some grades. If you were to place an applicant in one of these levels, which would be the most appropriate? Please circle one (or two if you are unsure).

Lower

Middle

Advanced

If there are any special comments you would like to make about this student, please attach these to this form.

Signed: _____

Date: _____

Please could you send this form directly to:

Admissions Office
American International School
P O Box 31617
LUSAKA
Zambia

Fax: +260 211 260538
E mail: admissions@aislusaka.org

Many thanks for your assistance.