



PUTTING THE FUN BACK
INTO LEARNING!

Dear Parents and Guardians,

Welcome to the Mathematics Department December Curriculum Guide.

Children are streamed into ability groups for Maths so that the curriculum can be tailored to their needs to support and accelerate their progress. Therefore, different sets will cover the learning intentions at different levels and rates. The homework may therefore be different for different ability groups as it is tailored to their needs. Please feel free to contact your child's Maths teacher should you have any queries.

The Maths Team:

- Mr Steve Farish: stephen.f@albasmaschool.ae Grade 8, 9
- Mr Thomas Wayne: thomas.l@albasmaschool.ae Grade 6, 7, 9
- Mr Umar Edicha: umar.e@albasmaschool.ae Grade 7, 8, 9
- Mrs Annelie van der Hoogen: annelie@albasmaschool.ae Grade 6, 7, 8



Curriculum Content for December

Grade 6:

| Topics | Learning Intentions |
|------------------------------|--|
| Basic Algebra (continue) | <ul style="list-style-type: none"> • To define variables, numerical expressions, and algebraic expressions. • To examine examples in which worded problems are translated into algebraic expressions. • To simplify and evaluate algebraic expressions |
| Visualising and Constructing | <ul style="list-style-type: none"> • To use a ruler and a protractor to construct triangles from written descriptions given two sides and the angle between them or a side and two angles. • To use a ruler and a compass to construct triangles when all three sides are known. • To calculate interior and exterior angles of triangles |

Grade 7:

| Topics | Learning Intentions |
|---------------|--|
| Algebra 1 | <ul style="list-style-type: none">• To simplify expressions• To expand single brackets• To factorise expressions with single brackets |
| Algebra 2 | <ul style="list-style-type: none">• To understand Powers and indices• To substitute values in to algebraic formulas into expressions• To change the subject in a formula |

Grade 8:

| Topics | Learning Intentions |
|-----------------|--|
| Percentages | <ul style="list-style-type: none">• To calculate the percentages of quantities.• To calculate a percentage increase and decrease of an amount.• To calculate the percentage change in an amount• To solve problems on compound interests. |
| Presenting data | <ul style="list-style-type: none">• To recognise the difference between primary and secondary data.• To explore the difference between discrete and continuous data.• To draw and interpret graphs and diagrams of discrete and continuous data. |

Grade 9:

| Topics | Learning Intentions |
|------------------------------------|---|
| Constructions, Loci and Congruence | <ul style="list-style-type: none">• To construct triangles and Other 2-D shapes using a ruler, compass & protractor• To understand that triangles satisfying SSS, SAS, ASA and RHS are unique, but SSA triangles are not• To evaluate a set of points satisfying a certain condition using loci |
| Simultaneous Equations | <ul style="list-style-type: none">• To solve two simultaneous equations algebraically• To draw graphs of simultaneous equations• To find solutions to simultaneous equations from the point of intersection of the graphs of the equations |

How can you help?

- Make sure your child attends school every day and is on time every day.
- Make sure your child comes to school prepared.
- Teach them to check and pack their own school bags so that they know exactly what is inside them.
- Make sure their books and stationery are marked with their name
- Ensure their pencil case is always stocked with stationery which **MUST** include: HB pencils, a rubber, a sharpener, a blue or black pen, a red pen, a 30cm-ruler, a Geometry Set, a scientific calculator, a glue stick, a whiteboard pen and easer and scissors
- Regularly check BriC and guide the children towards the completion of the task given as homework.

- Do not complete homework for your children or we cannot assess their needs and progress accurately
- Use BBC Bitesize with your child to review the learning Intentions: <http://www.bbc.co.uk/education>
- Use with your child to access further explanation of a topic www.mathsisfun.com

Maths joke for Fathers and Mothers:

Q: What is a bird's favourite type of maths?

A: Owl-gebra

Thank you for your ongoing support

The Maths Team