Grade Level Content Expectations
First Semester

Fractions, decimals and rounding
- Find equivalent fractions.
- Multiplying and dividing fractions.
- Using laws of arithmetic and the order of operations in calculations with fractions and decimals.
- Recurring decimals and terminating decimals.
- Rounding.

Ratio and percentages
- Interpreting and using ratio in a range of contexts.
- Percentage increase and decrease.
- Compound interest.

Powers and roots
- Work with powers and roots.
- Work with fractional and negative powers and reciprocals.
- Index laws including negative indices.
- Calculate using standard form.
- Find factors; multiples and primes.
- Find HCF and LCM.

Graphs of straight lines
- Plot graphs of linear functions.
- Find the equation of the line.
- Find the mid-point of a line segment.
- Use properties of parallel and perpendicular lines.

The National
Orthodox School
Shmaisani

المدرسة
الوطنية الأرثوذكسية
الشميساني

The Orthodox Educational Society

Second Semester

Working with algebra
- Substituting numbers into formulae and expressions.
- Working with indices.
- Expanding brackets.
- Factorizing.
- Changing the subject of a formula.

Algebraic Equations
- Constructing and solving equations.
- Solving linear equations.
- Solving equations with fractional coefficients.

Simultaneous equations
- Solving simultaneous equations by inspection, elimination and graphically.

Inequalities
- Solving inequalities.
- Illustrating inequalities on a number line.
- Graphing inequalities

Pythagoras' theorem

Class Policy
- Students will be given homework on a daily basis, in addition to the classwork. Homework will be discussed the following day.
- Teacher will go around and make sure students have completed their homework.
- Assessments and quizzes will be reviewed in class.
- Students are encouraged to ask questions, to gain confidence and come to conclusions independently.
- Students are motivated to develop their logical thinking skills. Discussions and reflection will be a regular part of the class.

Resources
- Mathematics for Edexcel Specification A.
- Notebook.

ص.ب 941502 عمان 11194 الأردن | Jordan 11194 Amman 941502 P.O.Box | www.nos.edu.jo | info.nos@nos.edu.jo | 560 8500 (6) 962+ هاتف Tel

Accredited by   معتمدة من

Cambridge Assessment
International Education
Cambridge International School

edexcel

CIS
COUNCIL OF
INTERNATIONAL
SCHOOLS

ib

Eco-Schools

المدرسة
الوطنية الأرثوذكسية
الشميساني

The National
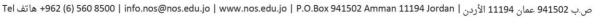Orthodox School
Shmaisani

Grading

- First Month Assessment Mark (40 marks).
- Second Month Assessment Mark (40 marks).
- Third Month Assessment Mark (40 marks):
  - Class work participation, homework and quizzes.
  - Project.
- Final Assessment Mark (80 marks).

ص.ب 941502 عمان 11194 الأردن | Jordan 11194 Amman 941502 P.O.Box | www.nos.edu.jo | info.nos@nos.edu.jo | +962 (6) 560 8500 هاتف Tel

Accredited by   معتمدة من