



Matching Chapters & Topics

For Naturals



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Introduction

On February 21, 2025GC, the Educational Assessment and Examination Service announced that this year's Grade 12 entrance exam(2017EC) will be prepared as follows:

- Grade 9: Old curriculum
- Grade 10: Contents common in old and new curriculum.
- Grade 11: Contents common in old and new curriculum.
- Grade 12: New curriculum

An exception applies to Economics, which will be prepared entirely from Grade 12 new curriculum.

Since finding similar chapters, topics or contents from both the old and new Grade 10 & 11 curriculum can be difficult and time consuming, we have prepared this document. We have matched Grade 10 and 11 units and subunits from the old and new curriculum for easy reference.

In this document, we matched contents that are very similar, but it is important to understand some differences exist. One curriculum may explain a chapter/topic in slightly more detail than the other. Regardless, we have carefully selected the best matching content.

Usage Example

When an entire unit should be covered:

Grade 10 Old curriculum (most students learned this)	Grade 10 New Curriculum
Unit 5: Trigonometric Functions	Unit 4: Trigonometric functions

If you learned Trigonometry Functions in the old curriculum, there is no need to study similar unit from the new curriculum.

When a subunit should be covered

Old curriculum (most students learned this)	New Curriculum
Unit 1: Introduction to Organic Chemistry, specific subunits • 1.1 Introduction • 1.2 Unsaturated hydrocarbons • 1.3 Saturated hydrocarbons • 1.4 Aromatic hydrocarbons • 1.5 Natural sources of hydrocarbons	Unit 6: Hydrocarbons and their natural sources

Sometimes, we list the subunits for one curriculum. In such cases, you should study only the mentioned specific subunits rather the entire unit.

Maths Natural units you should read

Grade 10 Matching Chapters

Old curriculum (most students learned this)	New Curriculum
Unit 1: Polynomial Function	Unit 2: Polynomial function
Unit 2: Exponential and Logarithmic functions	Unit 3: Exponential and Logarithmic functions
Unit 4: Coordinate Geometry	Unit 7: Coordinate Geometry
Unit 5: Trigonometric Functions	Unit 4: Trigonometric functions
Unit 6: Plane Geometry, specific subunits • 6.3 More on Circles (15 pages)	Unit 5: Circles (partially) (32 pages)
Unit 7: Measurement	Unit 6: solid Figures

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From Grade 10 old curriculum

- Unit 3: Solving inequalities and
- Unit 6: particularly subunit 6.1, 6.2, and 6.4

do not have a match. Hence, you should skip these topics.

Tip for students who learned Grade 10 in the new curriculum: If you are studying circles, we recommend studying from the old curriculum's Subunit 6.3, as it is shorter.

Grade 11 Matching Chapters

New Curriculum (most students learned this)	Old curriculum
Unit 1: Relations and Functions	Unit 1: Further on Relation and functions
Unit 2: Rational Expressions and Rational Functions	Unit 2: Rational Expressions and Rational Functions
Unit 3: Matrices	Unit 6: Matrices and Determinants
Unit 4: Determinants and their properties	Unit 6: Matrices and Determinants
Unit 5: Vectors	Unit 8: Vectors and Transformation of the plane, specific subunits • 8.1 Revision on vectors • 8.2 Representation of vectors • 8.3 Scalar product of ... • 8.4 Application of vectors
Unit 6: Transformations of the plane	Unit 8: Vectors and Transformation of the plane: specific subunits • 8.5 Transformation of the plane
Unit 7: Statistics	Unit 5: Statistics and Probability, specific subunits • 5.1 Statistics
Unit 8: Probability (63 pages)	Unit 5: Statistics and Probability, specific subunits • 5.2 Probability (28 pages)

From Grade 11 new curriculum all units have matches; therefore, you should read all of them.

Tip for students who learned Grade 11 in the new curriculum: If you are studying 8. Probability, we recommend studying from the old curriculum's Subunit 5.2, as it is shorter.

Biology units you should read

Grade 10 Matching Chapters

Old curriculum (most students learned this)	New Curriculum
Unit 2, Heredity specific subunits • 2.1 Mitosis and Meiosis (11 pages)	Unit 4, specific subunits • 4.2 The Cell division

Note: Although both curriculums have

- Unit 3: Human Biology and Health chapter
- Unit 4.2 Photosynthesis
- Unit 4.3 Transport in plants

the content is very different.

Grade 11 Matching Chapters

New Curriculum (most students learned this)	Old curriculum
Unit 3: Enzymes	Unit 3: Enzymes

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Note: Compared to other subjects, Grade 10 and 11 Biology has very few matching contents between the old and new curriculum.

Chemistry units you should read

Grade 10 Matching Chapters

Old curriculum (most students learned this)	New Curriculum
Unit 1: Introduction to Organic Chemistry, specific subunits • 1.1 Introduction • 1.2 Unsaturated hydrocarbons • 1.3 Saturated hydrocarbons • 1.4 Aromatic hydrocarbons • 1.5 Natural sources of hydrocarbons	Unit 6: Hydrocarbons and their natural sources
Unit 2: Important Inorganic compounds	Unit 3: Important Inorganic compounds
Unit 3: Electrochemistry	Unit 4: Energy changes and electrochemistry
Unit 4: Chemistry in industry and environmental pollution, specific subunits • 4.3.1 Production of some important metals • 4.3.2 Production of some important non-metals	Unit 5: Metals and Nonmetals, specific subunits • 5.2.3 Production of Aluminum, Iron and Copper • 5.3 Production of some important nonmetals

Grade 11 Matching Chapters

New Curriculum (most students learned this)	Old curriculum
Unit 1: Atomic Structure and Periodic Properties of the Elements	Unit 2: Atomic Structure and Periodic Table
Unit 2: Chemical Bonding	Unit 3: Chemical Bonding and Structure
Unit 4: Chemical Kinetics	Unit 4: Chemical Kinetics, specific subunits : • 4.1 Rate of Reaction • 4.2 Theories of Reaction Rates
Unit 5: Chemical Equilibrium	Unit 5: Chemical Equilibrium and phase Equilibrium, specific subunit : • 5.1 Chemical Equilibrium
Unit 6: Some important oxygen-containing organic compounds, specific subunits : • 6.4 Carboxylic acids • 6.5 Esters • 6.6 Fats and Oils	Unit 6: Carboxylic Acids, Esters, Fats and Oils

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Physics units you should read

Grade 10 Matching Chapters

Old curriculum (most students learned this)	New Curriculum
Unit 2: Electrostatics, specific subunits • 2.1 Electric charges • 2.2 Electric Forces and Fields • 2.3 Electric potential	Unit 4: Static and Current Electricity, specific subunits • 4.1 Charges in Nature • 4.2 Methods of Charging a body • 4.3 The electroscope • 4.4 Electrical Discharge • 4.5 Coulomb's law of electrostatics • 4.6 The Electric field
Unit 3: Current Electricity	Unit 4: Static and Current Electricity, specific subunits • 4.7 Electric circuits • 4.8 Current, Voltage and Ohm's Law • 4.9 Combination of resistors • 4.10 Voltmeter and ammeter • 4.11 Electrical safety • 4.12 Electric projects
Unit 4: Electro Magnetism, specific subunits • 4.1 Magnetism • 4.2 Concepts of Magnetic field • 4.3 Magnetic force	Unit 5: Magnetism
Unit 6: Electromagnetic waves and geometrical optics	Unit 6: Electromagnetic waves and Geometrical optics, specific subunits: • 6.1 Electromagnetic waves • 6.2 EM spectrum (it is enough if you only read page 180) • 6.3 Light as a wave • 6.4 Laws of reflection of refraction • 6.5 Mirrors and Lenses • 6.6 Human eye and optical instruments.

Grade 11 Matching Chapters

New Curriculum (most students learned this)	Old curriculum
Unit 2: Vectors	Unit 2: Vector quantities
Unit 3: Motion in one and two dimensions	Unit 3: Kinematics
Unit 4: Dynamics	Unit 4: Dynamics
Unit 4: Dynamics	Unit 5: Work, energy and Power
Unit 5: Heat Conduction and Calorimetry (partial) (37 pages)	Unit 8: Properties of bulk matter, specific unit • 8.4 Heat, temperature and thermal expansion. (13 pages)

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Tip for students who learned Grade 11 in the new curriculum: If you are studying Heat Conduction and Calorimetry, we recommend studying from the old curriculum's Subunit 8.4, as it is shorter.

For English and SAT

They are mostly general knowledge questions rather than being specific to a particular grade. For these, it is best to be familiar with entrance exam questions and practice them.