

شكراً لتحميلك هذا الملف من موقع المناهج الإماراتية



الخطة الفصلية المسار العام

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التواصل الاجتماعي بحسب الصف الثاني عشر العام

روابط مواد الصف الثاني عشر العام على تلغرام

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المزيد من الملفات بحسب الصف الثاني عشر العام والمادة رياضيات في الفصل الثالث

[حل أسئلة الامتحان النهائي الالكتروني بريدج](#)

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[حل اختبار تحريبي على هيئة الامتحان النهائي وفق الهيكل الوزاري](#)

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Grade 12 General Stream Scheme of Work, Term 3, Academic Year 2022-2023

Purpose

- to define the **required** General Stream Mathematics Student Learning Outcomes to be covered during the term for this grade
- to **recommend** the pace at which the Student Learning Outcomes are to be covered. The term's content is broken down into eight teaching weeks, allowing the coverage of topics within each week to be flexible.

Assessment

- Assessment details for Term 3 will be communicated separately.

Teachers should incorporate the Standards for Mathematical Practice (SMPs) in their instruction when and where appropriate. The Standards for Mathematical Practice are

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Why are the Standards for Mathematical Practice important?

The Standards for Mathematical Practice set expectations for using mathematical language and representations to reason, solve problems, and model in preparation for careers and a wide range of college majors.

Week 1: Apr. 17 – Apr. 21, 2023
(Ramadan ends ~April 20; Eid al-Fitr ~April 20–23)

CHAP NBR	CHAP TITLE	LESSON NBR	LESSON TITLE	Slo.EN
know your students, establish classroom routines, and finalize class lists. It is also an opportunity to review prerequisite concepts and skills which students will need for Grade 12 and to administer teacher-created diagnostics.				
Welcoming students				
Chapter 9	الاحداثيات القطبية والأعداد المركبة Polar Coordinates and Complex Numbers	Lesson 1	الاحداثيات القطبية Polar Coordinates	MAT.2.02.27.001 Graph points with polar coordinates MAT.2.02.27.002 Graph simple polar equations

Week 2: Apr. 24 – Apr. 28, 2023

CHAP NBR	CHAP TITLE	LESSON NBR	LESSON TITLE	Slo.EN
Chapter 9	الاحداثيات القطبية والأعداد المركبة Polar Coordinates and Complex Numbers	Lesson 2	الصور القطبية والمتعامدة للمعادلات Polar and Rectangle Forms of Equations	MAT.2.02.27.003 Convert between polar and rectangular coordinates MAT.2.02.27.004 Convert between polar and rectangular equations

Week 3: May. 1 – May. 5, 2023

CHAP NBR	CHAP TITLE	LESSON NBR	LESSON TITLE	Slo.EN
Chapter 9	الاحداثيات القطبية والأعداد المركبة Polar Coordinates and Complex Numbers	Lesson 3	الأعداد المركبة ونظرية دي موافر Complex Numbers and De Moivre's Theorem	MAT.2.02.27.005 Convert complex numbers from rectangular to polar form and vice versa MAT.2.02.27.006 Find products, quotients, powers, and roots of complex numbers in polar form
Chapter 10	الاحصاء والاحتمالات Statistics and Probability	Lesson 1	إعداد دراسة Designing a Study	MAT.4.03.05.001 Identify the shapes of distributions MAT.4.03.05.002 Use measures of position to compare two sets of data

Week 4: May. 8 – May. 12, 2023

CHAP NBR	CHAP TITLE	LESSON NBR	LESSON TITLE	Slo.EN
Chapter 10	الاحصاء والاحتمالات Statistics and Probability	Lesson 2	توزيعات البيانات Distributions of Data	MAT.4.03.05.003 Construct and use a probability distribution MAT.4.03.05.004 Construct and use a binomial distribution

Chapter 10	الاحصاء والاحتمالات Statistics and Probability	Lesson 3	التوزيعات الاحتمالية Probability Distributions	MAT.4.03.04.001 Find the area under normal distribution curves MAT.4.03.04.002 Find probabilities for normal distributions and find data values given probabilities
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Week 5: May. 15 – May. 19, 2023

CHAP NBR	CHAP TITLE	LESSON NBR	LESSON TITLE	Slo.EN
Chapter 10	الاحصاء والاحتمالات Statistics and Probability	Lesson 4	التوزيع ذو الحدين The Binomial Distribution	MAT.4.03.05.005 Measure the linear correlations MAT.4.03.05.006 Generate least-squares regression lines
Chapter 10	الاحصاء والاحتمالات Statistics and Probability	Lesson 5	التوزيع الطبيعي The Normal Distribution	MAT.4.03.02.009 Find the probability of an event MAT.4.03.02.010 Find the probability of success and failure of an event

Week 6: May. 22 – May. 26, 2023

CHAP NBR	CHAP TITLE	LESSON NBR	LESSON TITLE	Slo.EN
Chapter 11	التفاضل والتكامل Derivatives and Integration	Lesson 1	تقدير النهايات بيانياً Estimating Limits Graphically	MAT.6.01.02.001 Estimate limits of functions at fixed values MAT.6.01.02.002 Estimate limits of functions at infinity
Chapter 11	التفاضل والتكامل Derivatives and Integration	Lesson 2	إيجاد قيمة النهايات جبرياً Evaluating Limits Algebraically	MAT.6.01.02.003 Evaluate limits of polynomial and rational functions at selected points MAT.6.01.02.004 Evaluate limits of polynomial and rational functions at infinity

Week 7: May. 29 – June. 2, 2023

CHAP NBR	CHAP TITLE	LESSON NBR	LESSON TITLE	Slo.EN
Chapter 11	التفاضل والتكامل Derivatives and Integration	Lesson 3	المماسات والسرعة المتجهة Tangent Lines and Velocity	MAT.6.02.01.001 Find instantaneous rates of change by calculating slopes of tangent lines MAT.6.02.01.002 Find average and instantaneous velocity
Chapter 11	التفاضل والتكامل Derivatives and Integration	Lesson 4	المشتقات Derivatives	MAT.6.02.01.003 Find instantaneous rates of change by calculating derivatives

				MAT.6.02.01.004 Use the Product and Quotient Rules to calculate derivatives
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Week 8: June. 5 – June. 9, 2023				
CHAP NBR	CHAP TITLE	LESSON NBR	LESSON TITLE	Slo.EN
Chapter 11	التفاضل والتكامل Derivatives and Integration	Lesson 5	المساحة تحت المنحنى والتكامل Area Under a Curve and Integration	MAT.6.03.01.001 Approximate the area under a curve using rectangles MAT.6.03.01.002 Approximate the area under a curve using definite integrals
Chapter 11	التفاضل والتكامل Derivatives and Integration	Lesson 6	النظرية الأساسية في التفاضل والتكامل The Fundamental Theorem of Calculus	MAT.6.03.01.003 Find antiderivatives MAT.6.03.01.004 Use the Fundamental Theorem of Calculus

Week 9: June. 12 – June. 16, 2023	
Term 3 Revision/EOT Exams	