



Dubai International Private School (Al-Quoz)

DIPS, in partnership with parents and community, strives to ensure all students are digitally literate, lifelong learners, productive citizens and nurture their well-being in an inclusive learning environment.



"Empowering Minds, Inspiring Hearts, Shaping the Future"

"تمكين العقول، إلهام القلوب، تشكيل المستقبل"

Overview: Math Department

Semester: 2

2024 – 2025

Grade Level	12	Subject: CALCULUS		
Teacher(s) Name	Mr. EBRAHIM and Mr. FARHAT			
Textbook	Smith (EMEA), Calculus: Early Transcendental Functions, 5th Edition			
Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code
20	27 Jan	31 Jan	Lesson 2.8: implicit Differentiation and Inverse Trigonometric Functions.	
21	3 Feb	7 Feb	Lesson 2.8: implicit Differentiation and Inverse Trigonometric Functions.	
22	10 Feb	14 Feb	Lesson 3.3: Maximum and Minimum Values	
23	17 Feb	21 Feb	Lesson 3.4: Increasing and Decreasing Functions	
24	24 Feb	28 Feb	Lesson 3.5: Concavity and The Second Derivative Test.	
25	3 Mar	7 Mar	Lesson 3.7: Optimization	
26	10 Mar	14 Mar	Lesson 4.1: Antiderivatives	
27	17 Mar	21 Mar	Lesson 4.1: Antiderivatives	
28	7 Apr	11 Apr	Lesson 4.4: The Definite Integral	



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29	14 Apr	18 Apr	Lesson 4.5: the fundamental Theorem of Calculus.	
30	21 Apr	25 Apr	Lesson 4.6: Integration by Substitution.	
31	28 Apr	2 May	Lesson 4.6: Integration by Substitution.	
32	5 May	9 May	Lesson 5.1: Area Between Curves	
33	12 May	16 May	FINALS G12	
34	19 May	23 May	FINALS G12	
35	26 May	30 May		
36	2 Jun	6 Jun		
37	9 Jun	13 Jun		
38	16 Jun	20 Jun		
39	23 Jun	27 Jun		