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"

Math Department

Semester: 1   **2025 – 2026**

Grade Level	12	Subject: CALCULUS
Teacher(s) Name	**Farhat Falou & Ebrahim Haj Hussein**	
Textbook	**Thomas Calculus : Early Transcendentals 5th edition in SI Units**	

Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code / MOE
1	Aug.25th	Aug.29th	**Revision** **Diagnostic Exam.**	
2	Sept. 1st	Sept. 5th	**2.2: Limit of a function and Limit Laws.**	C-B.4
3	Sept.8th	Sept.12th	**2.2: Limit of a function and Limit Laws.**	C-B.4
4	Sept. 15th	Sept.19th	**2.4: One -sided limits.**	C-A.2, C-A.3
5	Sept.22nd	Sept.26th	**2.5: Limits Involving Infinity; Asymptotes of Graphs.**	C-C.1, C-C.2, C-C.3
6	Sept. 29th	Oct.3rd	**2.6: Continuity.**	C-E.1, C-E.2, C-E.6, C-E.7
7	Oct.6th	Oct.10th	**3.1: Tangent Lines and the Derivative at a point.**	C-F.6, C-F.7
8	Oct.13th	Oct.17th	**3.2: The Derivative as a Function.**	C-F.5
9	Oct.20th	Oct.24th <mark>Oct 24 End of Quarter 1</mark>	**3.3: Differentiation Rules.**	C-G.1, C-G.2, C-G.3, C-G.4, C-H.1, C-H.2, C-H.5, C-H.6, C-H.9, C-H.11, C-I.3

10	Oct.27th	Oct.31st	**3.3: Differentiation Rules.**	C-G.1, C-G.2, C-G.3, C-G.4, C-H.1, C-H.2, C-H.5, C-H.6, C-H.9, C-H.11, C-I.3
11	Nov.3rd	Nov.7th	**3.4: The Derivative as a Rate of Change.**	C-F.3, C-F.4
12	Nov.10th	Nov.14th	**3.5: Derivatives of Trigonometric Functions.**	C-H.3, C-H.4
13	Nov.17th	Nov.21st	**3.6: The Chain Rule.**	C-G.6, C-H.14, C-H.15
14	Nov. 24th	Nov.28th	**3.6: The Chain Rule.**	C-G.6, C-H.14, C-H.15
15	Dec.1st	Dec.5th	**3.6: The Chain Rule.**	C-G.6, C-H.14, C-H.15
16	Jan 5th	Jan 9th	**Lesson 3.7: implicit Differentiation**	**C-I.1, C-I.2**
17	Jan 12th	Jan 16th	**Lesson 3.7: implicit Differentiation**	**C-I.1, C-I.2**
18	Jan 19th	Jan 23rd	**REVISION**	
19	Jan 26th	Jan 30th	Semester 1 Exams: Jan 22nd to Jan 30th	
Winter Break for Students: Dec 8 to Jan 4				