TCA Daily Lesson Planner

Lesson # 17	Course Code	MCV4U	Date	24/9//20	Teacher	C.BAHAR

Period A

Warm up	20	Quiz, Q&A, Student Report, Student Marking, Debriefing, Check home work etc.	
Record Attendance		Notes: attendance and concerns regarding specific student	
Lesson Intro.	10	Specific expectation (s)	B1.1, B1.2, B1.3, B1.4
		Learning goals	By the end of this lesson, students will be able to: - Define intervals of increase and decrease - Use derivative to reason about intervals of increase and decrease - Graph a function given the graph of the derivative - Determine the Critical Numbers and use it to find Local Max and Min using the First Derivative Test
		Success Criteria	By the end of this period students should: - Know or understand the concepts of interval of increase and decrease and critical numbers - Use critical thinking to create, solve and analyze strategies to find the interval of increase and decrease, also determine the local man & min - Communicate with appropriate notations for reasoning about the interval of increase and decrease using derivatives - Apply connections between everything that was learned and problem arising in the real world problem - The students should be able to successfully answer and explain any questions from section taught in the class (AAL/Conversation) - The students should be able to successfully solve and represent any assigned questions from the lesson taught (AAL/Observation)
Lesson	40	Learning Activities	Problem Solving Discussion Feedback
		Resources	Textbook: Calculus and Vectors (Nelson)
		Assessment and Evaluation	Assigned Textbook questions: Pg#169 3,6,7,8,9 Pg#178 3,5,9,10, 13
Application	20		

Period B

Warm up			
Lesson Intro.	15	Specific expectation	B1.1, B1.2, B1.3, B1.4

		Learning goals	By the end of this lesson, students will be able to: - Define Vertical and Horizontal Asymptote of a Rational Function - Determine the VA and HA using Limits at Infinity - Use different strategies to evaluate limits at infinity - Reason about Oblique Asymptotes - Determine the Point of Inflection and carry out the second derivative test for concavity - Use the First and Second Derivative Test to analyze different functions
		Success Criteria	By the end of this period students should: - Know or understand the concepts of VA, HA and Point of inflection - Use critical thinking to create, solve and analyze different functions using the first and second derivative test - Communicate with appropriate notations for reasoning about the oblique asymptote and concavity of a function - Apply connections between everything that was learned and problem arising in the real world problem - The students should be able to successfully answer and explain any questions from section taught in the class (AAL/Conversation) - The students should be able to successfully solve and represent any assigned questions from the lesson taught (AAL/Observation)
Lesson	55	Learning Activities	Problem Solving Discussion Feedback
		Resources	Textbook: Calculus and Vectors (Nelson)
		Assessment and Evaluation	Assigned Text book questions: Pg#196 4-8
Application	20	Student Teacher Discussion about the lesson	

TEACHING STRATEGIES		**TEACHING STRATEGIES**	
Direct Instruction (teacher led)	x	Class activity (teacher facilitated)	x
Direct instruction (discussion possible)	x	Experiential learning (by doing)	
Class discussion (teacher facilitated)	x	Worksheets / Surveys	
Small group discussion		Individual or group research	
Partner discussion / conferencing		Teacher Modeling	

Conferencing: teacher and student	x	Use of Computers / Internet	
Teacher reading to class		Use of Video or Audio	
Silent individual reading		Role Playing	
Group based reading		Class Presentations	
Independent work (Teacher facilitated)	x	Guest Speaker / Interviews / Questions	
Group Work (Teacher facilitated)		Field Trip	
OTHER:		OTHER:	