**TCA Daily Lesson Planner**

| Lesson # 26 | Course Code | MCV4U | Date | 7/10/20 | Teacher | BAHAR |
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**Period A**

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| **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) | C2.2, C2.3 |
| | | Learning goals | By the end of this period, students will be able to:<br>- The students should be able to successfully answer and explain any questions from section taught in the class (AAL/Conversation)<br>- The students should be able to successfully solve and represent any assigned questions from the lesson taught (AAL/Observation) |
| | | Success Criteria | By the end of this period students should:<br>- Know or understand the concepts of the properties of Vector Addition<br>- Use critical thinking to create, solve and analyze to select appropriate vector properties to determine equivalent vectors and create new vectors<br>- Communicate with appropriate notations for reasoning about the coordinates of points in R3<br>- Apply connections between everything that was learned and problem arising in the real world problem |
| **Lesson** | 40 | Learning Activities | Problem Solving<br>Discussion<br>Feedback |
| | | Resources | Textbook: Calculus and Vectors (Nelson) |
| | | Assessment and Evaluation | Assigned Text book questions: Pg#307 7-11 Pg#316 8,9,10,15 |
| **Application** | 20 | | |

**Period B**

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| **Warm up** | | | |
| **Lesson Intro**. | 15 | Specific expectation | C2.2, C2.3 |
| | | Learning goals | By the end of this lesson, students will be able to:<br>- Add two vectors in R2 and R3<br>- Multiply a vector by a scalar in R2 and R3<br>- Use algebraic vectors to solve a problem<br>- Select a strategy to combine two vectors<br>- Calculate magnitude of vectors in R2 and R3 |

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| | | Success Criteria | By the end of this period students should:<br>- Know or understand the concepts of operation of algebraic vectors<br>- Use critical thinking to create, solve and analyze to select strategies to combine two vectors in R2, R3 and calculate their magnitudes<br>- Communicate with appropriate notations for reasoning about the coordinates of points in R3<br>- Apply connections between everything that was learned and problem arising in the real world problem<br>- The students should be able to successfully answer and explain any questions from section taught in the class (AAL/Conversation)<br>- 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<br>Discussion<br>Feedback |
| | | Resources | Textbook: Calculus and Vectors (Nelson) |
| | | Assessment and Evaluation | Assigned Text book questions: Pg#326 10-12 Pg#333 5-7 |
| **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 | x | 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 | x |

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| Independent work (Teacher facilitated) | x | Guest Speaker / Interviews / Questions | |
| Group Work (Teacher facilitated) | | Field Trip | |
| OTHER: | | OTHER: | |