Half Course 1

| Analysis of Games and Numbers |
| :--- |
| General Outcome: Develop critical thinking <br> skills. |
| Specific Outcomes |
| It is expected that students will: |

## Personal Finance

General Outcome: Develop an understanding of employment earnings.

## Specific Outcomes

It is expected that students will:
10E1.P.1. Demonstrate an understanding of calculations for gross pay and net pay earned through income sources including:

- wages
- salary
- contracts
- commissions
- piecework
[C, CN, R, T]
10E1.P.2. Solve problems that require the manipulation and application of formulas related to income.
[C, CN, ME, PS, R]

| Measurement |
| :--- |
| General Outcome: Develop spatial sense <br> through direct and indirect measurement. |
| Specific Outcomes |
| It is expected that students will: |
| 10E1.M.1. Demonstrate an understanding of the Système <br> International (SI) by describing the relationships of the <br> units for length, area, volume, capacity, and mass. <br> [C, CN, ME, V] |
| 10E1.M.2. Demonstrate an understanding of the imperial <br> system by <br> - describing the relationships of the units for length, <br> area, volume, capacity, and mass <br> comparing American and British imperial units for <br> capacity <br> applying strategies to convert between imperial <br> units and SI units. |
| [C, CN, ME, V] |

## 2D Geometry

General Outcome: Develop an understanding of spatial relationships applied to area.

## Specific Outcomes

It is expected that students will:

10E1.G.1. Solve problems that involve SI and imperial area measurements of regular, composite, and irregular 2-D shapes, including decimal and fractional measurements. [ME, PS, R, V]
10E1.G.2. Solve problems that require the manipulation and application of formulas related to:

- perimeter
- area
[C, CN, ME, PS, R]


## Half Course 2

| Analysis of Games and Numbers |
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| General Outcome: Develop critical thinking <br> skills. |
| Specific Outcomes |
| It is expected that students will: |
| 10E2.A.1. Analyze puzzles and games that involve spatial <br> reasoning, using problem-solving strategies. <br> [C, CN, PS, R] |


| Trigonometry |
| :--- |
| General Outcome: Develop spatial sense <br> relating to triangles. |
| Specific Outcomes |
| It is expected that students will: |


| Consumer Decisions |
| :--- |
| General Outcome: Develop skills to make <br> informed consumer decisions. |
| Specific Outcomes |
| It is expected that students will: |
| 10E2.C.1. Solve problems that involve unit pricing and <br> currency exchange, using proportional reasoning. <br> [CN, ME, PS, R] |


| Transformations |
| :--- |
| General Outcome: Develop spatial sense. |
| Specific Outcomes |
| It is expected that students will: |
| 10E2.TF.1. Demonstrate an understanding of <br> transformations on a 2-D shape, including <br> • translations <br> • rotations <br> • reflections <br> • dilations <br> [C, CN, R, T, V] |


| Angle Construction |
| :--- |
| General Outcome: Develop spatial sense. |
| Specific Outcomes |
| It is expected that students will: |
| 10E2.AC.1. Demonstrate an understanding of angles, |
| including acute, right, obtuse, straight and reflex, by |
| - drawing |
| - replicating and constructing |
| • bisecting |
| - solving problems |
| [C, ME, PS, T, V] |
| 10E2.AC.2. Solve problems that involve parallel, |
| perpendicular, and transversal lines, and pairs of angles |
| formed between them. |
| [C, CN, PS, V] |

ME - Mental Mathematics and Estimation
T-Technology

Processes:
C - Communication
PS - Problem Solving
V - Visualization

CN - Connections R - Reasoning

