## MCS Advanced Mathematical Decision Making Subject Group Overview

### Unit Name
- **U1:** Using The Power of Mathematical Reasoning to Make Decisions
- **U2:** Using Probability to Make Decisions
- **U3:** Using Statistical Studies to Make Decisions
- **U4:** Using Mathematical Models to Make Decisions
- **U5:** Using Vectors and Matrices to Make Decisions
- **U6:** Using Network Models to Make Decisions
- **U7:** Culminating Capstone Unit

### Time Frame
- **U1:** 5 – 6 weeks
- **U2:** 5 – 6 weeks
- **U3:** 5 – 6 weeks
- **U4:** 6 – 7 weeks
- **U5:** 3 – 4 weeks
- **U6:** 3 – 4 weeks
- **U7:** 1 – 2 weeks

### Standards
- **U1:** AMDM.QPR.2
  - **AMDM.PAR.4**
  - **AMDM.MM.1**
  - **AMDM.MM.1-8**

- **U2:** AMDM.PR.5
  - **AMDM.DSR.7**
  - **AMDM.MM.1**
  - **AMDM.MM.1-8**

- **U3:** AMDM.MM.1
  - **AMDM.PR.7**
  - **AMDM.MM.1**
  - **AMDM.MM.1-8**

- **U4:** AMDM.MM.1
  - **AMDM.MM.1**
  - **AMDM.MM.1-8**

- **U5:** AMDM.MM.1
  - **AMDM.MM.1**
  - **AMDM.MM.1-8**

- **U6:** AMDM.MM.1
  - **AMDM.MM.1**
  - **AMDM.MM.1-8**

- **U7:** ALL STANDARDS
  - **AMDM.MM.1**
  - **AMDM.MM.1-8**

### Content Specific Information

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>U1 Quiz Unit 1 Test</td>
<td>Unit Quiz Unit 2 Test</td>
<td>Unit Quiz Unit 3 Test</td>
<td>Unit Quiz Unit 4 Test</td>
<td>Unit Quiz Unit 5 Test</td>
<td>Unit Quiz Unit 6 Test</td>
<td>Final/Culminating Project</td>
<td></td>
</tr>
</tbody>
</table>

### Differentiation for Tiered Learners
Marietta City Schools teachers provide specific differentiation of learning experiences for all students. Details for differentiation for learning experiences are included on the district unit planners.

### Published: August, 2023