Welcome to STEM Fundamentals at Mt. Royal!

**Vital Information:**

Instructor: Mr. Nicholas Tomasino

Contact: [Nijato@gmail.com](mailto:Nijato@gmail.com)

Website: [www.TomasinosClass.com](http://www.TomasinosClass.com)

Class Schedule:

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| --- | --- | --- | --- |
| **Section** | **Meeting Days** | **Meeting Time (Intervention)** | **Meeting Location** |
| 605 | M, W | 12:50 – 1:30 | 305 |
| 607 | T, Th | 12:50 – 1:30 | 303 |
| 705 | T, Th | 12:20 – 12:50 | 203 |
| 707 | M, W | 12:20 – 12:50 | 304 |
| 805 | M, T, W, Th | 11:20 – 11:40 | 203 |

**Course Description in Brief:**

6th Grade: Communication, especially written communication, is a vital part of the STEM process. The ability to write effectively and efficiently using standard conventions of the English language is truly one of the most valuable skills in our world today. The core components of STEM fundamentals 6th grade students will practice and develop include:

* + Word processing skills (i.e. Microsoft Word)
  + Collaborative digital communication skills (i.e. Gmail and Google Drive)
  + Standard English language conventions of grammar and usage
  + Typing / keyboarding efficiency

7th Grade: Making sense and deriving meaning from large sets of data is crucial in scientific and other research fields. As the amount of data available to investigators grows, so to must their ability to manipulate and interpret it. Therefore, the core components of STEM fundamentals 7th grade students will practice and develop include:

* + Spreadsheet proficiency (i.e. Microsoft Excel)
  + Data visualization (i.e. graphs, charts, tables, etc.)
  + Data Analysis

8th Grade: Digital technology continues to be a growing part of nearly every aspect of our lives, and STEM is the cutting edge of that field. The STEM leaders of the next generation will not only be effective users of digital tools, they will necessarily also be developers of those tools. To help them become those leaders, 8th grade students of STEM Fundamentals will practice and develop:

* + Coding skills (i.e. Python)
  + Software engineering
  + Collaborative digital communication skills (i.e. Gmail and Google Drive)