

## **Appleby College Summer Academy**

### **MDM4U Data Management**

In MDM4U Data Management students will go on a journey of discovery through the curriculum as we have gamified the course for even more fun. Students will journey on a spaceship of discovery named "Enterprise D"! The crew members (students) will have missions to complete, and on their journey will encounter side quests, badges and awards to be earned as they enjoy learning the course.

The crew will be evaluated on their missions with a variety of assessments including observations of their work, one to one conversation with the Captain (aka Mr. Lewis), timed mission evaluations (tests), and projects. The final 30% summative mission evaluations are an Ancient Earth History (pre 22nd Century) book project where the crew members compare two books of their choice statistically, and a Probability Game of Chance creation where crew members design a probability game for other crew members to play in Enterprise D's lounge, incorporating ancient pre 22nd Century Earth games including indigenous earth games.

The course will be structured carefully with the probability and counting (the more "mathematical" parts of the course) taught in the morning from 8:00 to 10:00 a.m. on the ship's Zoom intercom system using the Whiteboard app in combination with OneNote so all crew can work together and help each other, and where the Captain can teach concepts and provide immediate feedback and support. In the asynchronous times the crew will learn how to collect, analyze and describe data and the missions are structured to help the students keep on track; it is recommended that the students work in their asynchronous times from 10:30 a.m. to 12:30 p.m., and 1:30 to 3:30 p.m. each day to establish a good routine. The four hours of asynchronous work will be broken into one-hour bite size activities to help with organization, motivation and completion. Weekly office hours for live help will be available and extra help is encouraged on the asynchronous chat site in TEAMS which will be monitored daily by the Captain.

We are excited to be able to offer this course in Summer Academy. If you have any specific questions, please contact faculty member Graham Lewis at [glewis@appleby.on.ca](mailto:glewis@appleby.on.ca).