**COMMUNIQUE**

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| **Course: Robotics** | **Instructor: Robert Vetter** |

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| **Week 1Activities/Concepts: Introduction to Robotics. Getting familiar with VEX. Introduction to Safety issues and class norms. Simple machines- build and test all six! Introduction to the design process. How to keep an engineering note book.** **Suggested Home Study: Think, Create, Design, Sketch. Read corresponding material in your text book or find online resources that align with the topic at hand.** |
| **Week 2 Activities/Concepts: Simple Machines continued. Compound Machine Design Challenge: build a chain reaction machine.****Suggested Home Study: Think, Create, Design, Sketch. Read corresponding material in your text book or find online resources that align with the topic at hand.** |
| **Week 3 Activities/Concepts: Gears and gear ratios****Suggested Home Study: Think, Create, Design, Sketch. Read corresponding material in your text book or find online resources that align with the topic at hand.** |
| **Week 4 Activities/Concepts: Using VEX parts: building a test bed to learn how to use: bumper switch, line tracker, potentiometer, flashlight, line sensor, etc.** **Suggested Home Study: Think, Create, Design, Sketch. Read corresponding material in your text book or find online resources that align with the topic at hand.** |