**Task Assignment**

**Pre Robo-Tagger**

**Design, build & program a Robo-Tagger that draws a square using:**

1. **All left turns**
2. **All right turns**

**Design, build & program a Robo-Tagger that draws a regular octagon using:**

1. **All left turns**
2. **All right turns**

Hint: This will require a large program, so it may be helpful to approach the programming challenge incrementally. Read “Strategies to Solve Programming Problems” from the "Challenges" page in "NXT Video Trainer 2.0" to help with this.

When you have completed this challenge, have another team sign off on your Robo-tagger, before arranging with the teacher for your demonstration. Be prepared to discuss the hardware and software approaches you chose to implement your design.

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| **Date** |  **Challenge** |  **Sign-off** |
|  | **Left turn Square** |  |
|  | **Right turn Square** |   |
|  | **Left turn Octagon** |  |
|  | **Right turn Octagon** |  |