Target for this cycle 2.3

Name:Click here to enter text.

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| **Overview.****You will need to decompose and then complete an algorithm (or create your own algorithm) to the following problem…****Intermediate**The micro bit will show an arrow that you can use to spin, the arrow will land on the person who will answer a question. When a button is pressed the program will generate a random true or false question from a choice of 3. The user will then use a and b to choose true or false, the micro bit will respond with correct or incorrect. |

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You have Chosen to complete the **Intermediate** option and given yourself a chance at **Grade 5-6**

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| **Decompose your problem** |
| Step 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |
| 6 |  |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 |  |
| 11 |  |
| 12 |  |
| **Teacher Use Only: How much guidance was given and Grade Achieved** | **None** | **4** |
|  |
| **Algorithm. Green Boxes are complete, you need to complete the yellow boxes****Complete the Algorithm and then for one question (output 1) add the algorithm for checking if it is correct or not and responding****Help: Rounded = Terminator, Rectangle = Process, Parallelogram = Output or Input**  |
| Show ArrowHas Generate Output Store Is RNIs RN=0 Output Question 2Output  |
| **Teacher Use Only: How much guidance was given and Grade Achieved** | **None** | **4** |
|  |
| Programming. |
| Paste your completed code(blocks) here: (*Insert>screenshot>Screen Clipping)* | **Identify the selection and iteration** |
|  |
| **Describe how your code works** |
|  |
| **What errors did you get how did you fix them?** |
|  |
| **Explain your code, try to explain definite and indefinite iteration, recursion** |
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| **Teacher Use Only: How much guidance was given and Grade Achieved** | **None** | **4** |

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