|  |  |  |
| --- | --- | --- |
| **AP CSP Python with Robots**  **Design Process and Flowcharts Activity Guide** | | **Name:** |
| **Activity #1 : The Design Process** | | |
| What is the design process? |  | |
| Briefly describe each step of the design process: | | |
| Step 1 |  | |
| Step 2 |  | |
| Step 3 |  | |
| Step 4 |  | |
| Step 5 |  | |
| **Activity #2 : Flowchart Symbols** Give a brief summary of what each flowchart shape is used for. | | |
|  |  | |
|  |  | |
|  |  | |
|  |  | |
| **Activity #3 : Flowcharts** | | |
| **Example #1** Rearrange the flowchart shapes into the correct algorithm. | |  |
| **Example #2** Use the correct shapes and rearrange the steps into the correct algorithm: | |  |
| **Activity #4** Create flowchart of the program for Mission 3 NavSquare | | |
|  | | |
| **Activity #5** Create your own flowchart of a daily activity. | | |
|  | | |
| **Wrap Up:** | | |
| In your own words, describe an algorithm. | | In your own words, describe a flowchart. |