



Gordon A. Cain Center
For Scientific, Technological, Engineering & Mathematical Literacy

Unit 5 Programming Basics

Team Name	Eng Ntbk check (10 pts)	Eng Ntbk check (10 pts)	Eng Ntbk check (10 pts)	Robot Design (20 pts)	Activity 1-5 (50 pts)**	Total	Comments



Gordon A. Cain Center
For Scientific, Technological, Engineering & Mathematical Literacy

Eng Notebook check (3x10 pts):

Description	Excellent 2 pts	Good 1 pt	Poor 0 pt
Access	- Notebook is available for check and is in excellent condition	- Notebook is available for check but in poor condition	- Notebook is unavailable (0 for whole assignment)
Organization	- Notebook is clear and concise with necessary information - Reader is able to navigate through portfolio with full understanding of work	- Notebook is somewhat clear and concise with necessary information - Reader is able to navigate through portfolio with somewhat of an understanding of work	- Notebook is not clear and concise and lacks necessary information - Reader is not able to navigate through portfolio
Overall Neatness, Signatures, Grammar	- Notebook is dated and signed - Entries are done in pen - There are few grammar mistakes - Handwriting is legible and math is easy to follow	- Notebook is sometimes dated and signed - Entries are sometimes done in pen - There are some grammar mistakes - Handwriting is sometimes legible and math is somewhat easy to follow	- Notebook is rarely dated and signed - Entries are rarely done in pen - There are many grammar mistakes - Handwriting is not legible and math is not easy to follow
Content	- Details of information gathered and work accomplished for each day are entered for all work days since last check. - Discussion questions have been answers - Frequent reflections on work and future needs are included.	- Some details of information gathered and work accomplished for each day are entered for all work days since last check. - Some discussion questions have been answers - Some reflections on work and future needs are included.	- Few details of information gathered and work accomplished for each day are entered for all work days since last check. - Few discussion questions have been answers - Few reflections on work and future needs are included.
Drawings and Sketches	- Imagery, sketches, and drawings are labeled, formatted, and fully relate to the overall design of the robot	- Some imagery, sketches, and drawings are labeled, formatted, and fully relate to the overall design of the robot	- Few imagery, sketches, and drawings are labeled, formatted, and fully relate to the overall design of the robot

Robot Design (20 pts):

- ___ Battery connector is used (2 pts)
- ___ Build is generally sturdy (wheels and gears are not wonky, parts are not falling off) (10 pts)
- ___ Motors/Sensors are plugged into the correct ports (Motors in Port 2 and 3) (5 pts)
- ___ Build successfully accomplishes task (3 pts)



Gordon A. Cain Center

For Scientific, Technological, Engineering & Mathematical Literacy

Worksheet Activity 1-5 (10 pts each)

Lesson 5.1 - Activities 1, 2, and 3

Lesson 5.2 - Activities 4 and 5

- ___ Worksheet questions are answered completely and correctly (4 pts)
- ___ Program compiles and performs basic movement per assignment (3 points)
- ___ Comments in the program describing the code (1 point)
- ___ White space and formatting is used appropriately (1 point)
- ___ Team member names are identified in the code or on worksheet submission (1 point)