

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 Desig n (20 pts)	Activity 1-5 (50 pts)**	Total	Comments



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Eng Notebook check (3x10 pts):

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



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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)