

ENGINEERING SYSTEMS

Worksheet

Botball Requirements 1

NAME _____

SCORING

1. The three major parts of the regional competition score are the Documentation (Blog site and the Onsite Presentation) score, the Seeding/Performance score and the Double Elimination score.

a. What are the six judged categories of the documentation weblog (the Blog site)?

(1)

(2)

(3)

(4)

(5)

(6)

b. What percentage of the Documentation score is the first judging period of the Blog worth? _____

b. What percentage is the second judging period of the Blog worth? _____

c. What percentage is the third judging period of the Blog worth? _____

d. What percentage is the Onsite Presentation worth? _____

e. What are the five graded components of the Onsite Presentation?

(1)

(2)

(3)

(4)

(5)

f. What is the point value of each of the five components? _____

GAME SCORING AND OVERVIEW

	Object	Number of Pieces	Flood Zone	Our Side	Non-Matching Home	Matching Home	Maximum Subtotal
1.	Orange Tribbles						
2.	Green Tribbles						
3.	Yellow Tribbles						
4.	Orange Ball						
5.	Green Ball						
6.	Yellow Ball						
7.	Botball						
	Total Possible Score						_____
8.	Describe the Seeding Performance Phase:						
9.	Describe what happens during the game, and where the robots can/must be at:						
	a.	0.0 seconds					
	b.	5.0 seconds					
	c.	30.0 seconds					
	d.	85 seconds					
	e.	90 seconds					

SENSORS

	Type	Number	Digital or Analog	Plug-in Sites on XBC
1.	Lever			
2.	Large touch			
3.	Small touch			
4.	Range finder			
5.	IR "top hat"			
6.	Light			
7.	Sonar			
8.	Camera			
9.	For which sensor are you responsible?			_____

MOTORS AND SERVOS

	Type	Number	Plug-in Sites on XBC
1.	Standard servo		
2.	Black gear motor		
3.	White gear motor		
4.	Silver motor		

PROGRAMMING EXERCISE

- Write in this space the code that allows you to display your name on the XBC.

- Show Mr. Montie your name on the XBC.

Mr. Montie's Initials _____

GAME STRATEGY

- How many robots? Describe them.

