



2018-2019 FAIRCHILD CHALLENGE
HS Challenge 2: “Green Stormwater Solutions”



Maximum points for challenge: 200 points (one design concept)

Panel Date: _____

SPECIFIC REQUIREMENTS:

- A design concept that incorporates green stormwater infrastructure into a property in your community.
- Calculations of the permeable and impermeable surface areas of the property as well as estimated total annual rainfall that has fallen on its impermeable surfaces so far this year.

Criteria	Max. Points	Judge 1 Initials:	Judge 2 Initials:	Judge 3 Initials:	Judge 4: Initials:
Design Theme <ul style="list-style-type: none"> • Reflects significant research and attention to detail. • Includes a map of the property complete with a scale, compass rose, and key legend. • Incorporates and clearly labels green stormwater elements. • Includes captions explaining why each feature was chosen. • Design is imaginative, thoughtful and original. 	100				
Calculations <ul style="list-style-type: none"> • Calculate the permeable and impermeable surface areas of the property. • Determine the amount of water that has fallen on the impermeable surfaces of the property so far this year. • Calculations are logical and free from errors. 	50				
Research/Bibliography <ul style="list-style-type: none"> • Bibliography citing at least two sources in either MLA or APA format is included. 	30				
TOTAL	180				

Comments: _____

School:	Student(s):		
Requirements (20 points)			
Project is labeled with full school name (no acronyms please) and student(s) names	3 points _____		
Entry Form submitted with entry.	1 points _____		
All calculations are included.	4 points _____		
Design does not exceed 22 x 28."	4 points _____		
Bibliography citing at least 2 sources following MLA or APA format submitted with entry.	7 points _____		
Submitted on time (late entries may not receive points)	1 points _____		
Meets Requirements (circle one): Y / N	<table border="1"><tr><td>_____</td></tr><tr><td>20 points</td></tr></table>	_____	20 points

20 points			

1. **AVERAGE: JUDGES' SCORES FROM SUBTOTALS** _____

2. **TOTAL SCORE: ADD REQUIREMENTS TO AVERAGE** _____

Award Placement: Please specify that rationale for awarding this entry.