

# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

## The Fairchild Challenge at Franklin Park Conservatory Challenge #4 – Growing Beyond Earth

School: \_\_\_\_\_

DIRECTIONS		JUDGE	
Please initial in the space to the right and, referring to the guidelines, write your score for each category in the space provided. Write any comments in the space designated.		initials:	
Fold along the dark lines so that your score is not visible to the other judges.		Score	Comments
<b>SCIENTIFIC RESEARCH</b> (55 POINTS)			
<ul style="list-style-type: none"> <li>Poster reflects both experimental findings and scientific research</li> <li>Student(s) demonstrate clear understanding of the scientific method</li> <li>Student(s) describe experiment and its significance</li> <li>Sufficient, credible and relevant information presented</li> </ul>	/55		
<b>RESENTATION</b> (35 POINTS)			
<ul style="list-style-type: none"> <li>Poster clearly presents and elaborates on the following: abstract, introduction (hypothesis, independent and dependent variables, controls), methods and materials, results (data/observations), discussion, conclusion and references.</li> <li>Results are presented through graphs, tables and/or charts</li> <li>Poster is student-authored, easily read and understood, concise, and visually appealing</li> </ul>	/35		
<b>WRITING SKILLS</b> (35 POINTS)			
<ul style="list-style-type: none"> <li>Information is written in a clear and organized manner</li> <li>Proper grammar, punctuation and spelling used</li> </ul>	/35		
<b>FOR STAFF USE ONLY:</b>		SUBTOTAL	
1. <b>AVERAGE: JUDGES' SCORES FROM SUBTOTALS</b>			
	125	/125	

**Judges, please use the following scale to rate each item below:**

Outstanding = 46-55 points

Good = 36-45 points

Average = 26-35 points

Poor = 5-25 points

Outstanding = 31-35 points

Good = 26-30 points

Average = 21-25 points

Poor = 5-20 points

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School: \_\_\_\_\_

<b>School:</b>	<b>Student(s):</b>	
<b>DATA REQUIREMENTS</b>		(200 POINTS)
<input type="checkbox"/> Draft proposal submitted (Maximum 1 pg, includes: testable hypothesis and methods) ..... 50 points _____ <input type="checkbox"/> Data entries updated weekly on provided Google data sheets ..... 40 points _____ <input type="checkbox"/> All appropriate data fields complete and valid (irregularities or empty fields accompanied by an explanation) ..... 40 points _____ <input type="checkbox"/> Weekly student-created, scientifically-relevant tweets* including the school name @GrowBeyondEarth, and Descriptions of any photographs, illustrations, or graphs..... 40 points _____ <input type="checkbox"/> On-time entry submission..... 30 points _____		
<b>Meets Requirements (circle one): Y / N</b>		<b>Requirements Total:</b> <span style="border: 1px solid black; padding: 5px; display: inline-block; width: 60px; text-align: center;">200</span>

<b>School:</b>	<b>Student:</b>	
<b>RESEARCH POSTER REQUIREMENTS</b>		(25 POINTS)
<input type="checkbox"/> Poster size is 48 x 36 inches ..... 5 points _____ <input type="checkbox"/> Photographs/illustrations/graphs <b>must</b> include captions ..... 4 points _____ <input type="checkbox"/> Descriptive title, student's name and school name clearly printed on entry ..... 4 points _____ <input type="checkbox"/> Poster follows provided template (includes: abstract, introduction, materials and methods, results, discussion, conclusion and references)..... 6 points _____ <input type="checkbox"/> Research poster must follow GBE poster template ..... 4 points _____ <input type="checkbox"/> On-time entry submission..... 2 points _____		
<b>Meets Requirements (circle one): Y / N</b>		<b>Requirements Total:</b> <span style="border: 1px solid black; padding: 5px; display: inline-block; width: 60px; text-align: center;">25</span>

**FOR STAFF USE ONLY:**

1. **AVERAGE:** JUDGES' SCORES FROM SUBTOTALS \_\_\_\_\_

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

—350

**School Name:** \_\_\_\_\_

**Student(s) Name(s):** \_\_\_\_\_

KNOWLEDGE & RESEARCH	(60 POINTS)
<ul style="list-style-type: none"> <li>• Student(s) demonstrate knowledge about project and results</li> <li>• Student(s) incorporates research into experiment conclusion</li> <li>• Presentation touches upon all parts of research poster</li> <li>• Student(s) demonstrates having researched multiple plant varieties</li> <li>• Student(s) answers potential questions using evidence from research and results</li> </ul>	
STYLE & EXECUTION	(40 POINTS)
<ul style="list-style-type: none"> <li>• Presentation is informative and professional</li> <li>• Presentation style is fluid and clear</li> <li>• Student(s) are organized and work well together</li> </ul>	

**FOR STAFF USE ONLY:**

1. AVERAGE: JUDGES' SCORES FROM SUBTOTALS \_\_\_\_\_

2. TOTAL SCORE: ADD REQUIREMENTS TO AVERAGE

—100

**Award Placement: Please specify the rationale for awarding this entry.**