



2017-2018 FAIRCHILD CHALLENGE
Challenge 1: "Eco Edibles"



Maximum points for challenge: 200 points (One book with up to 10 recipes)

Panel Date: _____

SPECIFIC REQUIREMENTS:

- One cookbook with up to 10 plant-based recipes aimed to reduce household food waste. Includes original cover art and photographs.

Criteria	Max. Points	Judge 1 Initials:	Judge 2 Initials:	Judge 3 Initials:	Judge 4: Initials:
Theme	50				
<ul style="list-style-type: none"> • Recipes address reducing household food waste by utilizing plants in recipes that might normally be thrown away. • Thoughtful, plant-based recipes. 					
Research	50				
<ul style="list-style-type: none"> • Demonstrates students' understanding of resource consumption in food production. • Clear causal connection between food waste and climate change. • Accurate examples or facts. 					
Recipes	40				
<ul style="list-style-type: none"> • Include ingredients, measurements and cooking/preparation descriptions. • Identification of major plants used in the recipes contains the correct scientific, common names and country/region of origin. 					
Presentation	40				
<ul style="list-style-type: none"> • Book contains original and relevant cover art; artistic ability. • Book displays effort and thoughtfulness; and is assembled neatly and creatively. • Pictures with recipes are clear and neat. 					
TOTAL	180				

Comments:

School:	Student(s):
Requirements (20 points)	
Recipes are labeled with student(s) names , cookbook is labeled with school name	5 points <input style="width: 50px;" type="text"/>
Submitted on time (late entries may not receive points)	3 points <input style="width: 50px;" type="text"/>
Formatted correctly	2 points <input style="width: 50px;" type="text"/>
Multiple students contributed to the book. Considers class size.	10 points <input style="width: 50px;" type="text"/>
<i>Bonus:</i> Calculated volume of food waste reduced.	5 <i>bonus</i> <input style="width: 50px;" type="text"/>
<div style="display: flex; justify-content: space-between; align-items: flex-end;"><div>Meets Requirements (circle one): Y / N</div><div style="border: 1px solid black; padding: 10px; text-align: center; width: 150px;"><div style="border-bottom: 1px solid black; margin-bottom: 5px; width: 80px;"></div>20 points</div></div>	

1. **AVERAGE: JUDGES' SCORES FROM SUBTOTALS** _____
2. **TOTAL SCORE: ADD REQUIREMENTS TO AVERAGE** _____

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



2017-2018 FAIRCHILD CHALLENGE
MS Challenge 2: “Petals and Pollinators”
Global Challenge



Maximum points for challenge: 200 points (100 per model, two entries per school)

Panel Date: _____

SPECIFIC REQUIREMENTS:

- 3D model depicting a fictional flower with three scientifically-based flower parts.
- A description including what kind of pollinator your flower relies upon and any special adaptations that have co-evolved to facilitate pollination.

Criteria	Max. Points	Judge 1 Initials:	Judge 2 Initials:	Judge 3 Initials:	Judge 4: Initials:
Relevance to Theme (3-D Model Only)	20				
<ul style="list-style-type: none"> • 3-D model clearly illustrates a fictional flower. • Piece depicts scientifically-based flower parts (3 parts minimum). 					
Creativity (3-D Model Only)	20				
<ul style="list-style-type: none"> • Model reflects creativity and resourcefulness. • Fictional flower contains unique characteristics that allow for pollination. 					
Artistry / Technique (3-D Model Only)	20				
<ul style="list-style-type: none"> • Model demonstrates careful observation and understanding of pollination processes and flower anatomy. • Model demonstrates attention to detail in the execution of the piece. 					
Research / Detail of Description	20				
<ul style="list-style-type: none"> • Written description demonstrates evidence of plant biology, co-evolution and pollinator research. • Written description is clear and well-written. 					
TOTAL	80				

Comments: _____

School: _____	Student(s): _____
Requirements (20 points)	
Model labeled with school name, student(s) names and name of flower	3 points _____
Maximum size is no larger than 13.5" x 11.5" x 5.5"	3 points _____
Written description is 200 words or less and includes what type of environment the flower inhabits, what kind of pollinator your flower relies upon, what special adaptation your flower and pollinator have co-evolved to facilitate pollination	6 points _____
Flower must be fictional , but 3 flower parts should be based on scientific facts	3 points _____
Bibliography citing at least 2 sources following MLA or APA format submitted	4 points _____
Submitted on time (late entries may not receive points)	1 points _____
Meets Requirements (circle one): Y / N	
<div style="border: 1px solid black; display: inline-block; padding: 5px 20px;">_____ 20 points</div>	

1. AVERAGE: JUDGES' SCORES FROM SUBTOTALS _____

2. TOTAL SCORE: ADD REQUIREMENTS TO AVERAGE _____

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



2017-2018 FAIRCHILD CHALLENGE
Challenge 3: "Eco Lots"



Maximum points for challenge: 200 points (One design description and visual display)

Panel Date: _____

SPECIFIC REQUIREMENTS:

- A one to two page, description including: 1) a mission statement for your vacant lot, 2) your theoretical plans for the empty lot, 3) the advantages of your plans for the community and the environment, and 4) how your plans meet your mission.
- Create a visual display that shows your plan as it would be ideally implemented.

Criteria	Max. Points	Judge 1 Initials:	Judge 2 Initials:	Judge 3 Initials:	Judge 4: Initials:
Design Theme	70				
<ul style="list-style-type: none"> • Addresses relevant, local environmental issue(s). • Incorporates feedback from neighbors/ community needs into lot design. • Design decisions are congruent with local environmental issues and community needs. • Reflects significant research and attention to detail. • Imaginative, thoughtful and original design. 					
Description					
<ul style="list-style-type: none"> • Clear mission statement. • Cohesive plans for the vacant lot. • Reasonable justification for how the proposed plans align with the mission statement. • Written description is clear and well-written. • Proper grammar, punctuation and spelling used. 					
Visual Display					
<ul style="list-style-type: none"> • Reflects attention to detail and accuracy. • Reinforces plan and gives viewer a better understanding. • Includes photographs of the lot and/or detailed sketches. 	50				
Total	190				

Comments:

School:	Student(s):
Requirements (10 points)	
Description and visual display labeled with school and student(s) names	5 points _____
Submitted on time (late entries may not receive points)	3 points _____
Formatted correctly	2 points _____
<i>Bonus:</i> Discussed how \$5,000 in grant funding would be spent to complete the vacant lot design	5 <i>bonus</i> _____
Meets Requirements (circle one): Y / N	<div style="border: 1px solid black; padding: 5px; display: inline-block;">_____ points</div>

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2. TOTAL SCORE: ADD REQUIREMENTS TO AVERAGE _____

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



2017-2018 FAIRCHILD CHALLENGE
MS Challenge 4: "An Ode to Nature"



Maximum points for challenge: 200 points (One book, maximum 15 poems)

Panel Date: _____

SPECIFIC REQUIREMENTS:

- One book of poems modeled after "If You're not from the Prairie..." by David Bouchard. Theme: connection to local nature.
- One original illustration is required as cover art.

Criteria	Max. Points	Judge 1 Initials:	Judge 2 Initials:	Judge 3 Initials:	Judge 4: Initials:
Writing	60				
<ul style="list-style-type: none"> • Poems are modeled after "If You're not from the Prairie..." by David Bouchard. • Incorporates original and creative use of language; descriptive imagery. • Proper grammar, punctuation and spelling used. 					
Theme	70				
<ul style="list-style-type: none"> • Poems center on nearby nature. • Poems provide a sense of place or describe how the student identifies with a chosen local and natural environment. • Personal connection to an outdoor space is apparent. 					
Presentation	50				
<ul style="list-style-type: none"> • Book contains original and relevant cover art; artistic ability. • Book displays effort and thoughtfulness; and is assembled neatly and creatively. 					
TOTAL	180				

Comments:

School:	Student(s):
Requirements (20 points)	
Book labeled with school name and each poem labeled with student(s) names	5 points _____
Submitted on time (late entries may not receive points)	3 points _____
Formatted correctly	2 points _____
Multiple students contributed to the book. Considers class size.	10 points _____
Meets Requirements (circle one): Y / N	<div style="text-align: center;">_____ points</div> <div style="text-align: center;">20 points</div>

1. **AVERAGE: JUDGES' SCORES FROM SUBTOTALS** _____
2. **TOTAL SCORE: ADD REQUIREMENTS TO AVERAGE** _____

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



2017-2018 FAIRCHILD CHALLENGE
Optional Challenge: "Environmental Citizens" Public Service Video



Patti Burns Prize for Excellence in Communication and Media
 Maximum two video submissions per school

Panel Date: _____

SPECIFIC REQUIREMENTS:

- Video (maximum 3 minutes in length) answering: 1) What is the proposed environmental law or what is the proposed law change? 2) How will this law change or addition affect humans and the environment? 3) Why should we care? 4) What can we do to support or oppose this law change or addition?

Criteria	Max. Points	Judge 1 Initials:	Judge 2 Initials:	Judge 3 Initials:	Judge 4: Initials:
Theme	35				
<ul style="list-style-type: none"> • Public service announcement. • Raises awareness on a proposed environmental law or environmental law change (federal, state or local). • Discusses the law's affect on humans and the environment. • Advocates for support or opposition of the law change or proposal. • Persuasive and demonstrates clear understanding of the topic. 					
Accuracy					
<ul style="list-style-type: none"> • Video includes accurate examples and facts. • Information presented in video is accurate and up-to-date. 					
Video Quality					
<ul style="list-style-type: none"> • Audio and visuals are clear. • Video was edited; technical quality is strong. 	20				
Creativity	15				
<ul style="list-style-type: none"> • Video is creative and original. • Relatable and understandable. • Video displays effort and thoughtfulness. 					
TOTAL	90				

Comments:

School:	Student(s):
Requirements (10 points)	
Video labeled with school and student(s) names	5 points _____
Submitted on time (late entries may not qualify for the Patti Burns Prize)	3 points _____
Formatted correctly	2 points _____
<i>Bonus:</i> Interviewed a local professional regarding the environmental law	5 <i>bonus</i> _____
Meets Requirements (circle one): Y / N	<div style="border: 1px solid black; padding: 5px; display: inline-block;">_____ 10 points</div>

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

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

Important: Please note that points will not be awarded for this challenge. The purpose of this rubric is to help our panel determine the top entries for the Patti Burns Prize for Excellence in Communication and Media.



2017-2018 FAIRCHILD CHALLENGE
Challenge 5: Environmental Action: Home, School or Community



Maximum points for challenge: 300 (one tri-fold or one report)

Panel Date: _____

SPECIFIC REQUIREMENTS:

- **One tri-fold display or report** (maximum of 5 double-sided or 10 single-sided, 8.5" x 11" pages) including 1) the project goal(s), 2) the Five Ws (Who, What, When, Where, Why), 3) how you met your goal(s) and 4) how your project(s) promotes environmental awareness and conservation in your target area.
- A list of the students and/or classes involved in the project.

Criteria	Max. Points	Judge 1 Initials:	Judge 2 Initials:	Judge 3 Initials:	Judge 4: Initials:
Engagement	100				
<ul style="list-style-type: none"> • Depth and breadth of student involvement in school outreach is apparent. • As necessary, student engaged peers, teachers and community members. • Students were involved in the initiation and implementation of initiative(s). • Creativity in developing and applying initiative(s). 					
Impact					
<ul style="list-style-type: none"> • Project is viable and long-lasting. • Initiative has positive impact on target area (home, school, or community). • Initiative promotes environmental awareness and conservation. 					
Presentation					
<ul style="list-style-type: none"> • Results of efforts are discussed and/or analyzed. • Essay or tri-fold reflects that the initiative is relevant to the target area. • Process for implementing action is discussed. 	70				
Attention to detail	15				
<ul style="list-style-type: none"> • Essay or poster components incorporate originality and creative use of language; style. • Proper grammar, punctuation and spelling used. 					
TOTAL	285				

Comments:

School: _____	Student(s): _____
Requirements (10 points)	
Tri-fold or report labeled with school and student(s) names	5 points _____
Submitted on time (late entries may not receive points)	3 points _____
Formatted correctly	2 points _____
Effort to involve as much of the student body as possible (considers school enrollment and challenge participation numbers)	5 points _____
Meets Requirements (circle one): Y / N	<div style="margin: 0 auto; width: 80%;"><div style="border-bottom: 1px solid black; width: 100%;"></div><div style="text-align: center; margin-top: 5px;">15 points</div></div>

1. AVERAGE: JUDGES' SCORES FROM SUBTOTALS _____

2. TOTAL SCORE: ADD REQUIREMENTS TO AVERAGE _____

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