Before the Water Runs Out- Educating Children

Zachary Estrella  
Worcester Polytechnic Institute

Evelyn Grainger  
Worcester Polytechnic Institute

Lenna Quackenbush  
Worcester Polytechnic Institute

Peter John Smith  
Worcester Polytechnic Institute

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Before the Water Runs Out: Educating Children

Zachary Estrella (AE), Evelyn Grainger (CE)
Lenna Quackenbush (CHE), Peter John Smith (ECE/PH)

Advisors: Professor Derren Rosbach (CEE/SSPS), Professor Elisabeth Stoddard (SSPS)

Project Goals
• Develop a curriculum to educate students on water sustainability and engineering solutions
• Develop method for evaluating effectiveness of curriculum
• Fundraise for a rainwater harvesting system at Tatnuck Magnet School

Water Scarcity
By 2025, 40% of the world’s population will be living with water scarcity. Today’s children will be responsible for solving the water problems of the future.

Accomplishments
✓ Applied for and received a $4,000 grant to build rainwater harvesting system
✓ Wrote seven lesson plans and taught three of them to sixth grade classes
✓ Assessed students’ growth using pre and post evaluation surveys

Future Goals
Implement last four lessons at Tatnuck Magnet School
Collaborate with Engineers Without Borders-USA WPI to build a rainwater harvesting system
Improve garden and build rainwater harvesting system

Can you do a better job conserving water?

Student Response in %

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<thead>
<tr>
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<th>Pre Evaluation</th>
<th>Post Evaluation</th>
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<tbody>
<tr>
<td>Yes</td>
<td>25</td>
<td>78</td>
</tr>
<tr>
<td>No</td>
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<td>22</td>
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