
HOUSE RESOLUTION

CONGRATULATING IOLANI SCHOOL'S ALL-GIRLS TEAM FOR WINNING THE
U.S. DEPARTMENT OF ENERGY'S 2009 REAL WORLD DESIGN
CHALLENGE.

1 WHEREAS, the Real World Design Challenge is an annual event
2 that provides high school students with the opportunity to
3 tackle real world engineering challenges in a team environment,
4 applying the knowledge they have gleaned from their classrooms
5 to important energy and environment-related technical problems
6 being faced in the workplace; and

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8 WHEREAS, the purpose of the Real World Design Challenge is
9 to ensure the future of America's economic competitiveness by
10 inspiring today's students to become tomorrow's engineers; and

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12 WHEREAS, the Real World Design Challenge strives to "keep
13 it real" for its participants by:

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15 (1) Presenting students with real problems that provide a
16 practical application of classroom curriculum;
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18 (2) Providing students with real tools that will inspire
19 them by showing them what is at their fingertips;
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21 (3) Encouraging students to take on real roles that
22 require teamwork, leadership, and problem-solving
23 skills;
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25 (4) Requesting students to produce real designs that
26 foster creativity, critical thinking, and innovation;
27 and
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29 (5) Motivating students to make real contributions by
30 emphasizing that they can make a difference;



1 and

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3 WHEREAS, the theme for the 2009 Real World Design Challenge
4 was aviation and fuel consumption, and student teams across the
5 country were asked to redesign an existing aircraft to maximize
6 its fuel efficiency while meeting precise performance
7 capabilities, using professional engineering software donated by
8 the Parametric Technology Corporation to develop their
9 solutions; and

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11 WHEREAS, ten states sent teams to compete at the Real World
12 Design Challenge National Challenge, held from March 20-22,
13 2009, in Washington D.C., and the 54 participating students were
14 provided with expense-paid trips to the national competition
15 courtesy of the U.S. Department of Energy; and

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17 WHEREAS, the team from Hawaii was made up of six students
18 from IOLANI SCHOOL: Amy Ko, Adeline Li, Anya Liao, Celia Ou,
19 Jessica Lynn Saylors, and Julia Zhang, and their coach Carey
20 Inouye; and

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22 WHEREAS, in addition to the original aviation design
23 challenge, the teams were asked to develop a marketing
24 presentation explaining how and why they arrived at their
25 proposed solution, and winners were chosen based on the teams'
26 design solutions, presentations, and project journals; and

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28 WHEREAS, the three teams that made it to the final round of
29 the competition were Hawaii's own IOLANI SCHOOL, Newburyport
30 High School of Massachusetts, and Cumberland Valley High School
31 of Pennsylvania; and

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33 WHEREAS, the quality of the projects from the top three
34 finalists indicated to judge John Stuart that the students who
35 participated in the final competition could go to work at a
36 major engineering firm and make immediate contributions, and
37 gave him the confidence that "our schools can produce U.S.
38 students who will solve some of our major energy and
39 environmental challenges over the coming decades"; and



1 WHEREAS, U.S. Secretary of Energy Steven Chu noted that the
 2 participants in the Real World Design Challenge show that "U.S.
 3 students, when challenged to excel, are able to perform at the
 4 highest levels in science, math, and engineering"; and

5 WHEREAS, the all-girl team from IOLANI SCHOOL made their
 6 school and Hawaii proud after working together to solve a real-
 7 life engineering challenge with impressive results, emerging as
 8 the winners of the competition and bringing home several prizes:
 9 \$3,000 for Iolani's science and technology department, the Real
 10 World Design Challenge trophy, a model of the Cessna Citation X
 11 aircraft, and an iPod Shuffle for each team member; now,
 12 therefore,

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 14 BE IT RESOLVED by the House of Representatives of the
 15 Twenty-fifth Legislature of the State of Hawaii, Regular Session
 16 of 2009, that this body hereby recognizes and congratulates
 17 IOLANI SCHOOL and the winners of the 2009 Real World Design
 18 Challenge, applauds their impressive achievement, and extends to
 19 them its warmest aloha and best wishes for continued success in
 20 all future endeavors.

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