

Bend Research, Inc.

Innovators In Pharmaceutical and Advanced-Separation Technologies

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CENTRAL OREGON STUDENTS WIN INVENTERPRISE 2001 CONTEST

Millican in the year 2050 will be a vital, well-designed city of 100,000, featuring people-transporter slides between its buildings, solar green houses, and windmill farms.

These are some of the many ideas advanced by Central Oregon students as part of Invention 2001, the annual creative science contest sponsored by Bend Research, Inc. For the contest, students from throughout the region were challenged to design New Millican, a 100,000-population city in the year 2050. Alternatively, they could submit useful inventions, from scratch or from a varied list of spare parts.

Some 475 students from public and private schools in Bend, Redmond, Prineville, LaPine, Culver, and Terrebonne created more than 400 entries. The ideas—presented as models, posters, videotapes, computer programs, and reports—were judged on originality, feasibility, usefulness, and development of concept. Students in the first through 10th grades participated, individually and in groups.

According to the youth of Central Oregon, the city of New Millican will include a recycling plant that will separate all trash into its basic components using membranes, metal melting units, and float tanks. It will have a doggie amusement park to provide hours of enjoyment and activities for its canine friends. And the city's power will come from a vast windmill farm, with windmill blades covered with photovoltaic cells for additional power generation.

Students also tackled new ways to address energy needs. One student proposed harnessing exercise bicycles to generate energy that can be used to drive fans or perform other useful tasks. Other ideas included air-powered cars, trains that float on a cushion of air, solar-powered fan vehicles, and rocket shoes.

Students even found answers to simpler problems. One proposed a robot with infrared heat sensors and methane gas sensors that patrols the backyard to clean up after Fido. Another designed a pulley device to help store her bicycle in the garage. Another installed a headlight on his skateboard to get home safely after dark.

Awards were given to the top entrants at each grade level. The 57 winners will receive specially designed T-shirts and will be invited to a special Science Night presentation at Bend Research. Additionally, a \$500 scholarship was offered this year to the top high school entry. The winner is Crook County High School sophomore Taalkeus Blank.

This is the 10th anniversary of the Invention contest, which is sponsored by Bend Research with assistance from the Bend-LaPine school district. The idea for the contest came from a 1992 conference sponsored by the Jacob Javits Foundation. The purpose of the contest was to build business-education partnerships to enrich students' educational experiences. The 57 award winners are listed below.

Kindergarden

- David Hoover, *Seven Peaks Elementary (Bend)*

Grade 1

- Donovan Mackenzie, Ruby Everett, Abbe Gray-Curry, Kyle Trainor, Lucas Shaffer, Kelsey Baritell, Jaxson Landrus, Amy Hill, *Bear Creek Elementary (Bend)*.

Grade 2

- April Wheeler, Austin Skelton, *Juniper Elementary (Bend)*
- Mariah Haynie, Adam Nance, Matthew Raush, Kaylan Veborg, Kolby Guillen, *Bear Creek Elementary (Bend)*.
- Zoe McAllister, Georgia Gregory, *Terrebonne Elementary (Terrebonne)*

Grade 3

- Brian Hoover, Rochelle Weber, *Seven Peaks Elementary (Bend)*.
- Kurtis Zeller, Ryan Wilson, Jessica Warden, *Evergreen School (Redmond)*
- Craig Hanson, Jordan Lynn Navarra, *Lava Ridge Elementary (Bend)*

Grade 4

- Cully Sharp, Brian Denise, Marlee Barton, Kellie Schueler, Brian Donohue, Morgen Phillips, Kevin Verdieck, *Highland School (Bend)*
- Darcy Walter, Pierson Prutzman, Cameron Dibarand, Anne-Elise Duff, Taylor Simends, *Lava Ridge Elementary (Bend)*.
- Whitney Weber, Brittney Hulet, Natalee Dyer, Patrick Qadir, *Bear Creek Elementary (Bend)*

Grade 5

- Duncan Van Horn, Mason Hetz, Todd Hagen, Brandon Cowan, Jonah Madden, *Highland School (Bend)*
- Brittney Lindquist, *Evergreen Elementary (Redmond)*.
- Hanna Landrus, Shannon Johnson, *Bear Creek Elementary (Bend)*
- Luke Wheeler, *Juniper School (Bend)*

Middle School

- Toby Smoldt, *LaPine Middle School (LaPine)*
- Pat Kennedy, Thomas Long, Eric Oren, *High Desert Middle School (Bend)*

High School

- Taalkeus Blank, *Crook County High School (Prineville)*

Unknown

- Kody and Rachel, *last names, school and grade unknown. Please contact us.*

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