

# 2021 KANSAS KidWind CHALLENGE

The KidWind Challenge is fun and educational. It provides lessons in physics, engineering and environmental science as students build a device that converts moving wind into energy. To prepare for competition, the teams study wind power then build a turbine using the design and materials of their choice. During the challenge, each team's turbine is put to the test in a wind tunnel.

The KidWind Challenge scoring has three components: the performance of the wind turbine, a knowledge quiz, and a presentation to a panel of judges, where the student team has to explain the design process behind its turbine. The top two teams in each age division at regional events advance to the Kansas Kidwind Challenge. From there, the top two teams in each division qualify for the National KidWind Challenge.

*Congratulations to the National winners!*



## BTU Crew

Dighton Middle School • 6-8 Grade Division

*"We are the BTU Crew from Kansas. We are a team that finished our 5th and 6th grade school. Our team motto is: WE ARE FARM KIDS. WHAT'S YOUR SUPERPOWER? We all work on our family farms, and we apply things we learned on the farm to our turbine."*

### State winners:

|                     |        |   |
|---------------------|--------|---|
| 4-8 Grade Division  | FIRST  | <b>BTU Crew</b> – Dighton Middle School, USD 482  |
|                     | SECOND | <b>Team 2</b> – Beloit Jr-Sr High School, USD 273 |
| 9-12 Grade Division | FIRST  | <b>Hawkmores</b> – Wheatland High School, USD 292 |
|                     | SECOND | <b>Just Levi</b> – Paola Middle School, USD 368   |

### Northern Regional winners:

|                     |        |   |
|---------------------|--------|---|
| 4-8 Grade Division  | FIRST  | <b>Team 2</b> – Beloit Jr - Sr High School            |
|                     | SECOND | <b>Team 1</b> – Beloit Jr - Sr High School            |
| 9-12 Grade Division | FIRST  | <b>Breaking Wind</b> – Green Tech Academy Olathe West |
|                     | SECOND | <b>Goodies</b> – Green Tech Academy Olathe West       |

### Central Regional winners:

|                     |        |  |
|---------------------|--------|--|
| 4-8 Grade Division  | FIRST  | <b>BTU Crew</b> – Dighton Middle School  |
|                     | SECOND | <b>Turbinators</b> – Dighton High School |
| 9-12 Grade Division | FIRST  | <b>Hawkmores</b> – Wheatland High School |
|                     | SECOND | <b>Just Levi</b> – Paola High School     |

### Southern Regional winners:

|                     |        |   |
|---------------------|--------|---|
| 4-8 Grade Division  | FIRST  | <b>Luminescents Unknown</b> – Kepley Middle School    |
|                     | SECOND | <b>WLM (Wind Lives Matter)</b> – Kepley Middle School |
| 9-12 Grade Division | FIRST  | <b>Jolly Ranchers</b> – Iola High School              |
|                     | SECOND | <b>Wind Jammers</b> – Iola High School                |



## Hawkmores

Wheatland Grinnell High School  
9-12 Grade Division

*"We are the Hawkmores, consisting of Jett, Kerri, and Halle. We are Thunderhawks at Wheatland Grinnell High School and all three of us are sophomores. Our trusty wind turbine's name is Paul. Paul was very excited to compete at nationals."*



### ENERGY EDUCATION EVENT

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