

# 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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