

Kidwind State Competition at JMU

View this schedule digitally at: <https://tinyurl.com/kidwindjmu> or scan QR code



Where?

James Madison University- King Hall.

When?

April 6th, 2024. Check in will be from 8am-9am, with the welcome at 9am. The award ceremony will conclude at 3:30.

What to bring/prepare:

- Lunch/Snacks
- Books/Games to stay occupied during any downtime
- A signed media release form for each child (attached in email)
- Your project and accompanying documentation (any posters, notebooks, etc.)

Lunch: Lunch will be provided for judges and volunteers. Teams should pack a lunch or eat on campus. [E-hall](#) is the closest JMU dining option and is \$15.75 for buffet style brunch/lunch.

Parking: Cars can park in Lot D1, D2, and C10 without the need for a parking permit. Visitors are subject to parking citations if parked in Service Vehicle spaces, accessible spaces without proper permit, fire lanes or other prohibited areas. Timed spaces on campus are also enforced 24 hours a day, 7 days a week. **If your team plans to arrive in a bus to JMU on April 6th, there are three guest bus spots in lot C12 that we have been authorized to use.** If these spots are full, busses can park in the car parking, taking multiple spots as needed. If there is not room for your bus in either the bus spots or in the car parking, you would need to park over in R10.

Wi-Fi Network: JMU-Visitors

Username: virginiakwc@gmail.com Password: 987497

Team Instructions/Notes for the day:

- Review the following schedules for the day. **Please note your team's time to meet with judges, and when they will be participating in the instant challenge.**
- Photo Release: if someone in your team does not have a signed media release, please place a sticker on their name tag.
- The event floor plan is planned with one age group on each level. There is a wind tunnel on each floor for each age group. Please refer to the last page for a diagram.

- A note about this building: Both King Hall and Engeo are the same building, however you cannot get to third floor King Hall when you are in the Engeo portion of the building. Please refer to maps/directional signage.
- There are 5 divisions at this challenge: Elementary Wind, Middle Wind, Highschool Wind, Middle Solar, and Highschool Solar.
- Wind teams each have 15 minutes to meet with judges. About 7 minutes will be their presentation, 3 minutes will be questions from judges, then 5 minutes bumper time for entering/exiting.
- Solar teams each have 20 minutes to meet with judges. About 7 minutes will be their presentation, 5 minutes will be a demonstration of their project, 3 minutes will be questions from judges, then 5 minutes bumper time for entering/exiting.
- Each team will be participating in an “Instant Challenge” as well as meeting with judges. This Instant Challenge takes the place of the knowledge quiz you took at Regionals. No preparation is required and all instructions will be provided.
- Review page 5 for bonus activities in the day including an art gallery!

Schedule:

Time	Event	Location
8:00-9:00am	Team arrive, check in, and can test their wind turbine without scoring in open tunnel testing	Check in: King Hall Lobby Wind tunnel testing: King Hall 148
9:00-9:30am	Welcome and Keynote	Engeo 2301
9:50-11:50	<u>Tunnel Testing</u> - Wind teams must test their wind turbine in the tunnel at least once for an official score. Teams may test multiple times and at any time. <u>Judge Interviews</u> - Teams meet with judges according to the schedules on page 3-4. <u>Instant Challenge</u> - Teams test their teamwork with a challenge to solve as a team according to the schedule on page 4.	Wind tunnel testing: Elementary- King Hall 350 Middle- King Hall 243 Highschool- King Hall 148 Judge Interviews: Elementary Wind- King Hall 348 Middle Wind- Engeo 2208 Middle Solar- Engeo 2210 HS Wind- Engeo 1207 HS Solar- Engeo 1208 Instant Challenge: Elementary- King Hall 346 Middle- King Hall 236 Highschool- Engeo 1204
11:50-12:20	Lunch	Judges/Volunteers: King Hall 150
12:20-1:30	Tunnel Testing, Judge Interviews, and Instant Challenge Continued	continued
1:30-2:45	Tours and Panel (details on page 3)	See Page 5
2:45-3:30pm	Award Ceremony	Engeo 2301

Judge Interview- Elementary Wind- King Hall 348		
Time	Team	School
9:50	Windsor Hornets	Windsor Elementary
10:10	Astronomical	Cub Run Elementary School
10:30	Great Barrier Reef	Cub Run Elementary School
10:50	Wind Wolves	Three Oaks Elementary
11:10	Storm Chasers	St. Anne's-Belfield School
11:30	Three Hens	St. Anne's-Belfield School
11:50-12:20	Lunch- King Hall 150 (for judges and volunteers)	
12:25	Honey Badgers	St. Anne's-Belfield School

Judge Interview- Middle Wind- Engeo 2208		
Time	Team	School
9:50	Wizards of Wind	Smithfield Middle School
10:05	The Pack	Smithfield Middle School
10:20	Team Gold	Fluvanna Middle School
10:35	The Aeolians	North Branch School
10:50	Wind Warriors	Chaloner Middle School
11:05	AvengHERS	St. Anne's-Belfield School
11:20	Vivacious Voltages	Makersmiths
11:35	Ventus	Woodrow Wilson Middle FBLA
11:50-12:20	Lunch- King Hall 150 (for judges and volunteers)	
12:20	Those Guys	Appomattox Middle School
12:35	Chicken Flow	Smithfield Middle School
12:50	Engineers on Pointe	Smithfield Middle School
1:05	Windy Hill	Linkhorne middle school

Judge Interview- Highschool Wind- Engeo 1207		
Time	Team	School
9:50	The Goon Squad	Smithfield High School
10:10	THS Windbreakers	Tabb High School
10:30	The Ballcap Fabricators	Smithfield High School
10:50	Aeronauts	Roanoke Rapids School District
11:10	Meridian	Meridian High School
11:30	The Blade Runners	Ocean Lakes HighSchool
11:50-12:20	Lunch- King Hall 150 (for judges and volunteers)	

Judge Interview- Middle Solar- Engeo 2210		
Time	Team	School
9:50	Sigma Federation	Smithfield Middle School
10:10	The Lightning Volts	Smithfield Middle School
10:30	Green Monsters	Wilbur Pence Middle School
10:50	Solar Trio	Wilbur Pence Middle School
11:10	Solar Sisters	Chaloner Middle School
11:30	Solar Survivors	Elko Middle School
11:50-12:20	Lunch- King Hall 150 (for judges and volunteers)	
12:20	Solar Flares	Makersmiths
12:40	Handy Helpers	J. Frank Hillyard MS
1:00	Team Avalanche	J. Frank Hillyard MS

Judge Interview- Highschool Solar- Engeo 1208		
Time	Team	School
9:50	Hungry Chickens	Smithfield High School
10:15	Roaring Packers	Smithfield High School
10:40	Solar Superstars	Roanoke Rapids School District
11:05	La Wai	Makersmiths
11:30	Sun-Lit	Massanutten Regional Governor's School

Instant Challenge- Elementary School- King Hall 346	
Time	Teams
12:20	Windsor Hornets, Wind Wolves, Astronomical, Great Barrier Reef
12:50	Storm Chasers, Three Hens, Honey Badgers

Instant Challenge- Middle School- King Hall 236	
Time	Teams
9:50	Solar Sisters, Solar Survivors, Solar Flares
10:20	Handy Helpers, Team Avalanche
10:50	Those Guys, Chicken Flow, Engineers on Pointe, Windy Hill
11:20	Wizards of Wind, The Pack, Team Gold, The Aeolians
12:20	Sigma Federation, The Lightning Volts, Green Monsters, Solar Trio
12:50	Wind Warriors, AvengHERS, Vivacious Voltages, Ventus

Instant Challenge- Highschool- Engeo 1204	
Time	Teams
9:50	Meridians, La Wai, Sun-Lit
10:20	Wind in The Trees , The Blade Runners, Hungry Chickens
10:50	The Goon Squad, The Ballcap Fabricators, Roaring Packers
11:20	THS Windbreakers, Aeronauts, Solar Superstars

Bonus Activities

9:00AM-2:45PM Renewable Energy Art Showcase

Visit room King Hall 136 to view submissions to Kidwind's National Wind Energy Art Contest created by Virginia students.

1:30PM-2:15PM Tour JMU's Small Wind Training and Testing Facility (max capacity 30)

Meet in the Lobby of King Hall for the chance to meet one of JMU's Institute of Science and Technology professors, Dr. Jonathon Miles and take a tour of JMU's Small Wind Training and Testing Facility . Under Dr. Miles leadership JMU's Center for Sustainable Energy is on the forefront of research, education, and outreach to advance sustainable energy deployment. See JMU's wind turbine facility in action and learn more about the work being done here at CASE. Sign up at the Check In table

2:15-2:45PM Renewable Energy Industry Panel Discussion

Join us in the back in Engeo 2301 for a panel discussion with industry experts from the renewable energy industry. This is your opportunity to ask questions of the experts! Learn more about educational and workforce paths, how renewable energy projects are designed, developed and constructed, and any other topic that might come to mind!

Links



Coaches/Parents/Students - Fill out our Post Event Survey

<http://tinyurl.com/casepostevent>



Students: Fill out our Coach of the Year Award Application

<http://tinyurl.com/yck6ut3x>



Coaches/Parents/Students – Add to our Google Photo Album

<https://photos.app.goo.gl/8aaz6Ym4ENj1EfvX8>