Kansas BEST
Boosting Engineering, Science & Technology™

Directed by
The Kansas BEST Steering Group
and the Wichita State University
College of Engineering

Sponsored by
Textron Aviation
and other loyal sponsors

#KSBEST15
Kansas BEST is made possible by dedicated volunteers, loyal sponsors, the WSU College of Engineering and the Kansas BEST Steering Committee.

SPECIAL THANKS

Dr. John Bardo, WSU President, and Dr. Anthony Vizzini, Vice President of Academic Affairs, for their enthusiastic support of Kansas BEST.

Dr. Royce Bowden and the WSU College of Engineering for full support of Kansas BEST.

Jeff Longwell, Wichita Mayor, and Pete Meitzner, City Councilman, for the 2015 Kansas BEST Proclamation.

Kim Bair, WSU Foundation, for her role in enlisting BEST sponsors.

Additional volunteers for their invaluable contributions.

www.wichita.edu/engineering
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00 a.m.</td>
<td>Team Registration, Check-In, Team Photos</td>
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<tr>
<td>8:30 a.m.</td>
<td>Opening Ceremony</td>
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<td></td>
<td>Flag Presentation: Northeast Magnet High School Marine Corps Junior Reserve Officer Training Corps (MCJROTC), 1st Sgt. Wright, Marine Instructor</td>
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<td></td>
<td>National Anthem: Circle High School Quartet</td>
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<td></td>
<td>Introduction: Larry Frutiger</td>
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<tr>
<td>8:45 a.m.</td>
<td>Seeding Competition</td>
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<tr>
<td></td>
<td>(6 matches, randomly-selected opponents)</td>
</tr>
<tr>
<td>2:00 p.m.</td>
<td>Wildcard Match</td>
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<tr>
<td>2:30 p.m.</td>
<td>Top 8 teams play 6 Semi-final matches</td>
</tr>
<tr>
<td>3:00 p.m.</td>
<td>Top 4 teams play 3 Final matches</td>
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<tr>
<td>3:30 p.m.</td>
<td>Awards Ceremony</td>
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<tr>
<td>4:00 p.m.</td>
<td>Conclusion of Game Day Activities</td>
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<tr>
<td>Match</td>
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<td>Herington</td>
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<td>El Dorado</td>
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<td>Wichita Southeast</td>
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<td>Bueker</td>
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<td>KC Christian</td>
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<td>Panther Creek</td>
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<td>Wichita Homeschool</td>
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<td>Wichita West</td>
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<td>Kapaun</td>
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<td>#45</td>
<td>Council Grove</td>
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PROCLAMATION
of
The City of Wichita, Kansas
Founded in 1870

Whereas, Kansas BEST (Boosting Engineering, Science and Technology) is an initiative to inspire and motivate high school students toward careers in engineering, science and technology; and

Whereas, the event sponsored by Kansas BEST, and coordinated by the WSU College of Engineering, is a six-week long effort wherein 30 teams from area high schools participate in a sports-like technology contest to build a robotic creation from a kit of provided materials; and

Whereas, the student teams will compete against each other on Saturday, October 31, 2015 at the Hartman Arena and the six winning Kansas teams will compete in the regional competition at the University of Arkansas – Fort Smith, on December 4 & 5;

Now, Therefore, Be It Resolved, that I, Jeff Longwell, Mayor of the City of Wichita, Kansas, along with the Wichita City Council, do hereby proclaim October 31st as

Kansas BEST Day

in recognition of the importance of this event; in support of the need to promote academic achievement and goal setting among our youth; and in commendation to the educators, professors, engineers, business and professional institutions who give their time, efforts and money to make this competition possible and to help make Wichita a stimulating and exciting place to grow up.

October 24, 2015
Date

[Signature]
Mayor, City of Wichita
KANSAS BEST SPONSORS

Kansas BEST gratefully acknowledges the generous sponsorship of these organizations:

**NATIONAL SPONSORS**
- Texas Instruments
- MathWorks
- igus
- HSMWorks
- SolidWorks
- intelitek
- Robomatter, Inc.
- Wolfram
- SolidWize

**PREMIER SPONSOR**
- Textron Aviation

**DIAMOND SPONSORS**
- Spirit AeroSystems

**GOLD SPONSORS**
- Airbus Americas Engineering, Inc.
- Great Plains Ventures

**SILVER SPONSORS**
- Max & Barbara Frazier
- SPEEA

**BRONZE SPONSORS**
- Randal & Elizabeth Atkeisson
- AIAA - Wichita Section

**KANSAS BEST FRIENDS**
- Atchison High School Video Productions
- Hartman Arena
- Society of Women Engineers - Wichita Section
- Star Lumber & Supply
The BEST Concept

The BEST (Boosting Engineering, Science and Technology™) mission is to engage and excite students about engineering, science, and technology as well as inspire them to pursue careers in these fields. BEST is designed to encourage youth through participation in a sports-like contest, in which middle and high school students design and build a remote-controlled robot. Industry and education professionals volunteer as team mentors, providing professional expertise in the design and construction processes of the competition.

BEST students learn to analyze and solve problems using the Engineering Design Process, which helps students develop technological literacy skills—skills that industry seeks in its workforce. To simulate a “real world” business and engineering environment, some competition restrictions include:

- Short development time (six weeks)
- Limited components (identical materials provided)
- Specific design requirements (size, weight, etc.)

BEST program goals are accomplished through participation in local “hub” competitions, of which Kansas BEST is one. Other hubs are located in Alabama, Arkansas, Colorado, Florida, Georgia, Louisiana, Minnesota, Mississippi, North Dakota, New Mexico, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, and Texas. There are four regional competitions in November and December, in which the top teams from each hub compete at: Northern Plains BEST hosted by North Dakota State University; Texas BEST hosted by The University of Texas at Dallas; South’s BEST hosted by Auburn University; and Frontier Trails BEST hosted by the University of Arkansas at Ft. Smith.

*Kansas BEST will send 6 winning teams to the Regional Competition. The top 4 teams will receive stipends to attend the competition at Frontier Trails BEST at Ft. Smith, Arkansas on December 4-5, 2015.*

The BEST program receives vital support from school administrators and local businesses. Financial support is received from both individuals and industry.

For up-to-date information, visit these BEST websites:
- Kansas: [www.wichita.edu/kansasbest](http://www.wichita.edu/kansasbest)
- BEST Robotics, Inc.: [www.bestinc.org](http://www.bestinc.org)
2015 GAME: “Pay Dirt”

The objective of this year’s game is to use teamwork and innovative thinking in order to design and build a prototype robot to: a) repair an underground mine, and b) retrieve valuable commodities from the mine. Much like the real mining industry, success in the design competition will be determined by net profit, and teams will be in direct competition with one another. Also, the scoring point values of commodities will change with the Market Shift.

Repairs

Filtration System – Replacement Air Filter (RAF)
The air filtration system on Sublevel 1 could use a new filter. At the start of a match, the RAF will be in its starting location on the Spare Parts rack. The scoring location for the RAF is the Air Filtration System on Sublevel 1. In order to be scored, the RAF must be completely inside the Filtration System.

Broken Pipes – Replacement Pipe (RP)
The ground water management system is leaking on Sublevel 2. At the start of a match, the RP will be in its starting location on the Spare Parts Rack. The scoring location for the RP is on the Broken Pipe Platform on Sublevel 2. In order for this repair to be scored, the RP must completely cover the tape found at the top of both of the Broken Pipes of the platform.

Commodities

Five wooden bins are located next to the robot starting box. Commodities must be supported by their respective bin at the end of each match in order to count as scored.

- Coal* - Sublevel 1
  Coal can be dispensed by rotating the Support Beam (tie breaker) until the Coal Tray drops down, releasing the game pieces

- Magnetite (Iron ore)* - Sublevel 1
  Loose Magnetite can be found in the Iron Deposit, located in the wall next to the Air Filtration System. It is practically inaccessible unless the tube containing the game pieces is rotated, allowing the Magnetite to spill out.

- Bauxite (Aluminum ore)* - Sublevel 2
  The vein of Bauxite runs along the ground near the broken pipes. The game pieces can be retrieved by “digging” underneath the Broken Pipe Platform.

- Chalcopyrite (Copper ore)* - Sublevel 2
  Chalcopyrite game pieces are conveniently located in an abandoned Copper Cart, but the wheels have rusted off.

- Spodumene (Lithium crystals)* - Sublevel 3
  Spodumene crystals can be broken off the large Lithium Tower in the middle of Sublevel 3. All eight (8) Spodumene crystals are FAIR GAME for all teams, as are all other commodities not in a robot’s possession while on Sublevel 3.

Other Mineable Materials

Aggregate (limestone)
Loose rock called Aggregate is located along the inside wall of Tunnel 1, making the tunnel narrow. Teams may choose to score Aggregate for points, but dislodged pieces may become obstacles.

Core Samples
Each match, teams can extract one core sample (long pieces of PVC found on Sublevel 3). In order to be scored, core samples must be fully supported on the Spare Parts rack in place of either the RAF or RP. Core samples must be scored by a robot.

The Market Shift

Real world mining requires companies to pay close attention to long-term market projections. Teams will need to strategize according to shifting values of commodities. The Market Shifts will be computed for each Commodity at the beginning of semifinals and the beginning of finals. “Over-mined” Commodities will drop in value proportionally to how much they were Over-mined. “Under-mined” Commodities will rise in value proportionally to how much they were Under-mined.
<table>
<thead>
<tr>
<th>Role</th>
<th>Names</th>
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</thead>
<tbody>
<tr>
<td>Masters of Ceremony</td>
<td>Larry Frutiger, Michael Karraker, Joe Kleinsasser</td>
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<tr>
<td>Registration &amp; Staging</td>
<td>Patsy Richardson</td>
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<tr>
<td>Check-in Compliance</td>
<td>Bob Mayle, Dave Eslinger, Ron Harrison, Dave Sawdy</td>
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<tr>
<td>Floor Boss</td>
<td>John Matthew</td>
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<tr>
<td>Pit Boss</td>
<td>Bob Mayle</td>
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<tr>
<td>Scoring Team</td>
<td>Linda Manfull, Kirsten Jensen</td>
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<tr>
<td>Head Judge</td>
<td>Steven Skinner</td>
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<tr>
<td>Hospitality Room Team</td>
<td>Jan Frutiger, Sharon Brushwood, Debbie Matthews</td>
</tr>
</tbody>
</table>
TEXTRON AVIATION IS PROUD TO PRESENT THE

FOUNDERS AWARD

FOR CREATIVE DESIGN
AWARDS

Game Award
This award is based on the game competition scores. Awards are given to teams in trophy and individual medallions for 1st, 2nd and 3rd Place and a 4th Place Recognition.

Sponsor Special Awards

- The Founders Award for Creative Design presented by Textron Aviation is awarded in honor of the founders of BEST Robotics, Steve Marum and Ted Mahler. It is presented to the team that makes the best use of the engineering process in consideration of offensive and defensive capabilities in machine design. The Founders Award will be presented by Michael Thacker, Textron Aviation, Senior Vice President of Engineering.
- The Spirit AeroSystems Most Robust Machine Award is presented to the team whose robot demonstrates excellent reliability and minimum maintenance during the contest.
- The Software Design and Simulation Award is awarded to the team who developed the most efficient software program for their robot and utilized software simulation for verifying its operation.
- The WSU Sportsmanship Award is presented to the team displaying the best attributes of sportsmanship and enthusiasm during the competition. It is selected by the student teams.

BEST AWARD

Any high school team competing in the Kansas BEST Game competition is eligible for the BEST Award, which goes to the team that best embodies the concept of Boosting Engineering, Science, and Technology™. In addition to the design, building and testing of the team’s robot, this competition emphasizes the teamwork, sportsmanship, diversity and school/community support necessary for success.

Materials must be the work of the students. Involvement of student journalists, photographers, artists, musicians (serving in auxiliary roles in support of their school’s BEST team) is encouraged. Teams are evaluated in four categories:

- Project Summary Notebook, the documentation of the project including photographs, drawings, etc. must be submitted to the Judging Committee on Practice Day.
- Oral Presentation given by each team within a 30-minute time frame to a panel of judges.
- Table Top Display/Interviews of team promotional efforts for BEST within their school and community, and interviews to assess the students’ enthusiasm/multi-grade level/student as prime designers and builders of their robot.
- Spirit and Sportsmanship demonstrated throughout Game Day.
- Robot Performance based on total team points earned during the seeding competition.
2014 Winners

Kansas BEST Hub Competition

BEST Award
1st – Wichita Homeschool
2nd – Circle High School
3rd – Rose Hill High School
4th – Campus High School

Game Award
1st – Ambassadors for Christ Academy
2nd – Wichita Homeschool
3rd – Valley Center High School
4th – Circle High School

Sponsor Special Awards

Founders Award
Textron Aviation
1st – Valley Center High School
2nd – Ambassadors for Christ Academy
3rd – Circle High School

Most Robust Design Award
Spirit AeroSystems
1st – Andover Central High School
2nd – Valley Center High School
3rd – Wichita Homeschool

Spirit Award, WSU
1st – Wichita Homeschool
2nd – Circle High School
3rd – Rose Hill High School

Sportsmanship Award
1st – Rose Hill High School
2nd – Circle High School
3rd – Wichita Homeschool

Notebook Award
1st – Wichita Homeschool

Presentation Award
1st – Wichita Homeschool

Team Exhibit
1st – Circle High School

Best T-shirt Award
1st – Pike Valley High School

Prairie Chicken Award
1st – Campus High School

Tweeterific Award
1st – Council Grove High School

Frontier Trails BEST Regional Competition

Robot Competition
1st – Ambassadors for Christ Academy
2nd – Wichita Homeschool
4th – Circle High School

BEST Award
3rd – Wichita Home School
4th – Ambassadors for Christ

Sponsor Special Awards

Founders Award
1st – Wichita Homeschool

Most Robust
1st – Wichita Homeschool, 2nd – Ambassadors for Christ

Most Photogenic
1st – Wichita Homeschool, 3rd – Valley Center High School

Webpage Award
1st – Wichita Homeschool, 2nd – Circle High School

BEST Elements
BEST Team Exhibit
Circle High School
PANEL OF JUDGES

Sponsor Special Award Judges
Founders Award for Creative Design by Textron Aviation
Team of engineers led by Jesus Salinas

The Spirit AeroSystems Most Robust Machine Award
Dennis Hurley, Inga Miller, Jennifer Wiley-Wright, coordinated by Don Brushwood

The Software Design and Simulation Award
Huzefa Kagdi, Linda Manfull, Coleen Thomas

The WSU Sportsmanship Award
Votes from BEST teams

BEST Award Judges
Project Summary Notebook
Allison Wright, Rachel Battershaw, John Wimmer, David Cox, Dave Eslinger, Joe Marshall, Dustin Koehler, Larry Frutiger, Molly Erickson, Jess Stitt, Deana Fitzsimmons, Barb Davis, John Matthew, Michelle Boehm, Yvonne Allen, Matt Schroeder, Rodney Bahr, Linda Manfull

Marketing Oral Presentation
CeCelia Bowden, Tracy Dunn, Nate Franson, Darcy Gray, Deepak Gupta, Linda Manfull

Team Exhibit and Interviews
Animesh Chakravarthi, Ray Girardo, Matthew Nesser, Steve Severin

Spirit and Sportsmanship
Wichita State Students

Proud to be a part of Wichita and
BEST ROBOTICS!
GOOD LUCK on Game Day!
# High School Teams and Numbers

<table>
<thead>
<tr>
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<th>Teams</th>
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<tr>
<td>19</td>
<td>Ambassadors for Christ</td>
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<tr>
<td>17</td>
<td>Andale High School</td>
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<tr>
<td>30</td>
<td>Andover Central High School</td>
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<td>21</td>
<td>Atchison High School</td>
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<tr>
<td>5</td>
<td>Augusta High School *</td>
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<tr>
<td>2</td>
<td>Bishop Carroll High School  *NEW!</td>
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<tr>
<td>14</td>
<td>Bueker Middle School * *NEW!</td>
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<td>7</td>
<td>Campus High School *</td>
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<td>8</td>
<td>Circle High School *</td>
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<td>11</td>
<td>Council Grove High School * *NEW!</td>
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<td>Derby High School</td>
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<td>15</td>
<td>El Dorado High School</td>
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<td>16</td>
<td>Fort Scott High School * *NEW!</td>
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<td>18</td>
<td>Garden City High School * *NEW!</td>
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<td>1</td>
<td>Herington High School * *NEW!</td>
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<td>6</td>
<td>Kansas City Christian School</td>
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<td>13</td>
<td>Kapaun Mt. Carmel High School *</td>
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<td>Panther Creek Academy * *NEW!</td>
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<td>Riverbend International School *</td>
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<td>Rose Hill High School * *NEW!</td>
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<td>10</td>
<td>Wichita Southeast High School * *NEW!</td>
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<tr>
<td>3</td>
<td>Wichita West High School</td>
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</tbody>
</table>

*NEW! Teams new to the BEST competition in 2015  
*Teams competing for the BEST Award

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## Congratulations 2015 Kansas BEST Teams

You have taken a major step to your future. May your experiences today in TECHNOLOGY, DESIGN, ART and LEADERSHIP be used to leverage a successful tomorrow.

Randal & Elizabeth Atkeisson, Owners/Operators:

Ratical

Artistic

Technologies
Ambassadors for Christ Academy
Coach: Art Cunningham
Mentors: Russ Braseull, Charles Martin
Team Members: Luke Blackketter, Richie Joshuva, Martin Long, Benjamin Ottaviano, Jenny Ye, Sunny Ye

Andale High School
Coaches: Nathan Albert, Joshua Albert
Mentors: Caleb Brening, Josh Edwards, Mike Wescott

Andover Central High School
Coach: Ron Engels
Mentors: Tobias DiGennaro, Chris Fonger, Jason Frakes, John Hover
Team Members: Zack Beatie, Michele Capovilla-Searle, Paton Devience, Jacob Duncas, Johnathan Cameron Hover, Justus Materue, James McLemore, Tanner Storment, Cord Whitaker, Matt Wong

Atchison High School
Coach: Jenna Lindsey
Mentors: Daniel Roseman, Pam Roseman
Team Members: Michael Deware, Corey Griffin, Sean Jones, Cole McDaniel, Cody Rosebrough, Micah Simmons

Augusta High School
Coach: Leslie Lewellen
Mentors: Chris James, Kelly Jones
Team Members: Alex Busch, Sam Chesick, Kalie Dudeck, Korigan Hoyt, Samuel Hubble, Alex Kiecker, Jacob Lewellen, Lindsey Lewellen, Tyler Miller, Josh Todd, Presley Williams

Bishop Carroll Catholic High School
Coach: Eric Weber
Mentors: Brad Carey, Tien Vo
Team Members: Nicholas Aleman, Levi Brummer, Zach Dold, Gavin Evans, Elleana Finkeldei, Barret Flickinger, Tristan Guerra, Michael Hamlin, Alayna Irwin, Anna Le, Nathan Lies, Eric Nganga, Brayden Stump, Long Ta, Tam Ta, JR Truman, Max Voegeli, Daniel Weber

Bueker Middle School
Coaches: Lori Peel, Kevin Haulotte
Mentors: Andrea Henke, Carter Fawkes
Team Members: Joseph Henke, Martin Hynick, Liz Macdonald, Adison Stocksdale, and Adin Stocksdale
Campus High School
Coaches: Karen Slous, John Krider
Mentors: Micah Bright, Mike Charbonneau, Lee Crawford, John Dirks, Brian Johnson
Team Members: Jack Jay Armstrong, Zachary Beaman, Elisha Bright, Reese Bryant, Samuel Carroll, Cordell Charbonneau, Meakara Choup, Jacob Collins, Tyler Corbett, Donald Doornbos, Skyler Fenalson, Michael Green, Jarrod Helmers, Dominic Hemken, Caleb Honea, Bryant Hsu, Tayleh Hutton, Mason Janney, Gabriella Lamphier, Joseph Lamphier, Skylar Nicholas, Robert Piersall, Matthew Rice, Emily Romesburg, Nathan Slous, Leyra Torres, Caleb Williams, Eric Wilson

Circle High School
Coach: Matt Hogoboom
Mentors: Jim Sellers, Susan Sellers, Brad Davenport, Mike Sage, Larry Pond, Linda Longshaw, Michelle Perez, Nick Connell, Daniel Moore, Haylee Haring, Mitch Crouch, Jill Davenport, Sam Wilson, Hailey Noeller, JJ Hunter

Council Grove High School
Coach: Tracie Schroeder
Mentors: Nick Boyce, Bob Grimmett, Justin Wohlschlegal

Derby High School
Coaches: Chris Shetlar, Julian Newman, Ruth DeLange
Team Members: Alexander Abdullah, Emily Alumbaugh, Mitchell Baker, Robby Banfield, Joie Buffington, Caled Damm, Michaela Ensor, Austin Gensler, Shay Glenn, Dylan Isenbart, Anthony Law, Walton Pan, Megan Pappan, Gabriel Smith, Issabella Smith
El Dorado High School  
**Coach:** Pete Cisneros  
**Mentor:** Alex Wemli  
**Team Members:** Bryan Bernhardt, Blake Buck, Jon Carlin, Eli Crowe, Austin Dorrell, Scott Gardner, Develan Hill, Seth Klayson, Lauren Lowrey, Lorraine Lowrey, Cassie Miller, Dustin Montgomery, Siubhan Mora-Bruce, Logan Rogers, Tristen Rogers, Adam Shearburn, Allyson Skillman, Ricardo S.Requena

Fort Scott High School  
**Coach:** Angie Kemmerer  
**Team Members:** Janus Belcoure, Jimmy Kemmerer, Ben Morris, Micah Self, Henry Witt

Garden City High School  
**Coach:** Yuriy Drubinskiy, Perla Salazar, Scott Glass, Chris Remmich  
**Mentors:** Victor Salazar, Chris Pettite  
**Team Members:** Alexis Arreola, Zylus Arteaga, Xavier Binkley, Carlos Bluvan, Alex Camillo, Brenda Chavez, Karen Chavez, Scott Dunagan, Jonathan Fine, Jose Garcia, Ana Gomez, Treytan Hutchinson, Joshua Irsk, Madison Koehn, Adrian Longoria, Alonso Lozano, Jennifer Lozano, Joselyn Moreno, Tucker Murray, Jordan Neri, Andres Pallares, Arianna Rico, Felipe Rodriguez, Jeyson Sandoval, Paw Shee, Miguel Soltero, Nolen Ulrich, Eliana Valdez

Herington High School  
**Coaches:** Charles Boggess, Darlene Griffiths  
**Team Members:** Katie Roe, Anastasia Force, Chris Thiel, Mardi Traskowsky, Bailey West, Nelija Tucker-Steele, Alyshia Eubanks, William Lindler, Bradley Bigham, Chelsea Cowart, Payden Addis, Albert Leach, Hannah Oswald, Jakob Rutschman

Kansas City Christian School  
**Coach:** Eric Arnold  
**Mentors:** Ed Darlington, Mat Dixon  
**Team Members:** Piper Barratt, George Beatty, Andrew Darlington, Megan Dixon, Ashley Heimann, Megan Hutcheson, Wiley Hutcheson

Kapaun Mt. Carmel High School  
**Coach:** Sean Ritterhouse, Jo Mittman  
**Mentors:** Chris Cosgrove, John Crandall, Virgil Fulton, Larry Greytak, Sean Ritterhouse, Chris Streckfus, Daniel Walton  
**Team Members:** Madison Ames, Samantha Cosgrove, Zoe Cosgrove, Lily Fulton, Nathaniel Hunt, Ashtyn Koob, Victoria Ruvalcaba, Philip Wagle, Justin Wiertman, Bobby Crandall, Johnny Crandall, Sophie Frisch, Sol Namkung, Viet Phan, Baylee Schif, Jacob Schif, Anna Skinner, Chris Wierenga, Taurlach Kane, Bailey Kentling, Kenny Schmidt, Kadi Stithem, Logan Jimenez, Jared Welsby
Panther Creek Academy

**Coaches:** John Lotz, Denise Brown, Ernesto & Jenn Gutierrez, Sarah McLaughlin, Paige Oehmler

**Mentors:** Marty Oehmler, Martin Oehmler, Teddy Oehmler

**Team Members:** Daniel Albertson, Andrew Brown, Alex Gutierrez, Hope Hart, Justice Hart, Liberty Hart, Jessie Hughes, John Hughes, Meredith Hughes, Victoria Lotz, Zach Lotz, Brady McLaughlin, Claudia McLaughlin, Whitney White, Jeremy Zeller, Nathan Zeller

Pike Valley High School

**Coaches:** Leigh Gritten, Gail Anne Aurand

**Mentor:** Larry Johnson

**Team Members:** Trenton Aurand, Brayden Carlgren, Davante Hammer, Kinzie Langston, Ryne McCreight, Anton Reeves, Dane Thompson, Cameron Ward, Zach Wohlbrandt

Riverbend International School

**Coaches:** Enrique Becali, Loren Bradley, Paul Ogle, Tim Wagner

**Mentor:** Nate Jackson, Aaron Ogle

**Team Members:** Nickolas Campbell, Jonathan Carr, Mengte Hou, Ran Jiang, Emma Kerekanich, Aiden Law, Ruiqin Li, Win Li, Junming Liang, Joseph Liechti, Jinghao Lin, Taylor Munoz, Desiree Ogle, Michaela Pierce, Jerry Ross, Landen Schafer, Logan Schafer, Fengpu Sun, Yifin Yin, Haoze Zhong

Rose Hill High School

**Coach:** Lee Ann Youse, Ryan Hill

**Team Members:** Logan Ayesh, Katie Atkinson Emily Atkinson, Caleb Baker, David Breazeale, Alex Cantrell, Haley Cantrell, Anna Fiegenbaum, Debi Fiegenbaum, Chase Garza, Kolton Huckaby, Zach Jacobs, Katelyn Koch, Breana LaFever, Lizzie Lazar, Henry Mann, Trista Maaurice, Devin McMains, Keith Meikle, Kaylee Meikle, Jacob Murphy, Madison Partridge, Breanna Thompson, Michaela Thompson, Natalie Townsen, Brady Welch, Shalen Wilkinson, Zach Zarling

Salina South High School

**Coaches:** Lyric Cairns, Adam Lesser

**Mentor:** John Dirks

**Team Members:** Brendan Borcherding, Aaron Heams, Evan Heams, Colby Johnson, Zack Kaszycki, Luke Murry, Anastasia Phomchaleun, Nathan Roker, Paden Smith, Jacob Wilcox

Valley Center High School

**Coaches:** Jeff Tracy, Eugene Allyn

**Team Members:** Jace Allen, Mason Ashcraft, Steven Binau, Mason Carter, Julie Chen, Dillon Cotner, Nolan Donohue, Carson Dove, Dayen Gierhart, Trent Gierhart, Collin Jensen, Colton Jones, Tyler McClure, Clayton Nicholson, Cameron Riley, Nick Romig, Rhett Sanford, Jade Schechter, Derek Schrag, Alex Schul, Joey Sears, Abby Sheahan, Riley Smith, David Westbrook, Emily Westbrock, Casey Williams
Washburn Rural High School
Coach: Dean Gerlach

West Franklin High School
Coach: Ashley Michaelis
Mentor: Mike Alumbaugh
Team Members: Darlene Eneihen, Austin Goracke, Jared Griffin, Ryan Haner, Kody Hill, Bradley Lowe, Bryson Meyer, Blaine Mische, Jacob Singer, Isaac Smith, Morgan White, Trenton Worley

Wichita Collegiate High School
Coach: John Bullinger
Mentor: Deacon Lancaster
Team Members: Ida Barakeh, Nicholas Budzyn, Niko Chapas, Jane Chen, Madi DeVore, Daniel Do-Gyu, Addison Harris, David Horsch, Jason Liu, Xiaoying Meng, Shea Murphy, Jacob Newlin, Avasar Sheth, Alex St. John, Luke Winter, Yujun Ye, Louis Yu

Wichita East High School
Coach: Chris Wyant, Rebecca Taylor
Mentors: Adam Price, Keifer Norton
Team Members: Esther Adeniji, Daniel Dang, Meredith Dumler, Joseph Anglin, Ian Krummel, Zach Mosher, Nicholas Nunn, Manmeet Pelia

Wichita Homeschool
Coaches: David Alexander, Gordon Crook, Steve Parris
Mentors: Mike Johnson, Larry Schurr, Paul Weddle
**KANSAS BEST SCHOLARSHIP**

The Kansas BEST steering group originated from a circle of individuals associated with the WSU College of Engineering Dean's Office. This group enthusiastically accepted the challenge to bring the BEST program to Kansas, in order to motivate high school students to pursue careers in engineering, science and technology. At the same time, BEST provided a means to showcase opportunities at Wichita State University and encourage students to pursue engineering degrees within the WSU College of Engineering.

In 2000, the Bill Wilhelm Endowed Engineering Scholarship was established with unique eligibility requirements. To be a recipient of this scholarship, a student must be a past participant of Kansas BEST. In addition to this scholarship fund, the Kansas BEST Scholarship fund was also created to support former BEST participants pursuing engineering degrees at Wichita State.

Past recipients of the Bill Wilhelm Endowed Engineering Scholarship and the Kansas BEST Scholarship include:

2002 – Amanda Roeder  
2003 – Leah Boundy  
2004 – Jenny Marshall  
2005 – Kevin Brauning  
2006 – Joey Marshall

2007 – Michael Staab  
2008 – Brian Pham  
2009 – Ben Hayes  
2010 – Cade Hiebsch  
2011 – Kevin Brink

2012 – Brett Harms and Nathan Albert  
2014 – Joshua Albert and Mason Ryle  
2015 – Johnny Marshall, Gabriel McGregor

To learn more about these scholarship opportunities within the WSU College of Engineering and becoming a Wichita State Shocker, contact Erin Shields at (316) 978-7691 or erin.shields@wichita.edu.
Today at Spirit AeroSystems, we help create more than just state-of-the-art airplanes. Our commitment to K-12 students in our communities also helps empower a new generation with science, technology, engineering and math. What’s more, we partner with key higher education institutions to support scholarships and programs that promote engineering and other critical skills – to ensure a bright future that lifts us all.

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