

Huskies Leader

From Brad Best, Superintendent... To our parents and supporters,

The calendar says it should be warming up and that spring is near. This is one of those years, where the forecasters have had a difficult time, so I will finally welcome spring only when it has been around for a couple weeks.

Last year at this time, I wrote about the safety protocols that we have implemented in an attempt to keep all of our students and staff safe. The state has recommended a Standard Response Protocol (SRP) that they hope all schools will implement in order to have a common language across the state. Our school committee, which includes law enforcement and first responder representation in addition to staff from the school, has been trained in this protocol and have, in turn, trained our teaching and support staff. We have held meetings for parents, as well.

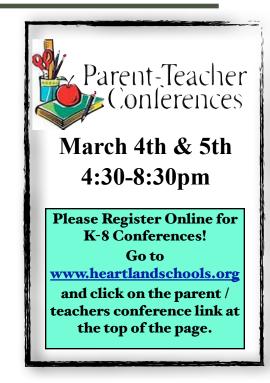
The basis of the protocol is how to keep people safe in 4 general scenarios:

- •The threat is outside the building (Lock Out)
- •The threat is inside the building (Lock Down)
- •We need to leave the building (Evacuate)
- •We need a safe place due to weather or environmental threat (Shelter)

We feel like we are well prepared and just this morning, we were able to realize our level of preparedness. We had a false alarm of our Lock Down alert and all staff and students immediately went into action. They reverted to their training and did an amazing job of securing their classrooms and following specific steps in the protocol. As administrators, we learned a few things that will help us, should we need to respond in this way in the future.

Keep in mind that when one of these scenarios occur, the tendency is for some to want to come to the school and find or remove our child. While completely understandable, this is one of the biggest concerns that schools, law enforcement, and first responders have in these situations. We all have one thing on our minds during these emergencies and that is to keep your children safe. The congestion of people flooding the school makes the response much more difficult. In the case of a "Lock Down", reunification of kids and parents may be up to two hours later to ensure that all are accounted for and released to proper guardians. We would communicate updates and instructions as often as possible in these situations via our alert system.

For additional information, please visit our website at <u>heartlandschools.org</u> and look through the information provided under the "Resources" tab or visit <u>www.iloveyouguys.org</u>





OUR MISSION: The Heartland Community Schools of Henderson & Bradshaw is dedicated to educating all students by providing challenging opportunities to learn according to individual needs.

HCS JUNIORS ATTEND COLLEGE & CAREER DAY IN EXETER

Sessions that the juniors attended included ACT Prep, Getting Into College, Personal Safety, Financial Responsibility, Business Panel, and Coping Skills. College reps were also there to answer questions and help start the college admissions process.







S.P.A.C.E.

The key to driving safely in winter conditions is to "Maintain S.P.A.C.E.":

Speed - the #1 cause of winter driving incidents.

Patience and courtesy saves lives and property.

Awareness of other vehicles and your environment is essential.

Concentration is required for winter driving.

Exit - always leave yourself an out.

In order to be successful at Maintaining S.P.A.C.E. you will need to give yourself some additional time for traveling. Remember to check the forecast the night before your morning commute. You may need to start your day earlier, as to allot enough time for slower travels.

Beware of BLACK ICE! Black ice is a thin, transparent layer of ice on the roadway. It is deposited by extremely cold rain droplets, mist or fog. It may form even if the atmospheric temperature is above freezing. That's because the temperature of the road surface or ground may be lower than the air. Especially be careful on bridges.

When visibility is an issue: Winter driving often results in reduced visibility. This may include snow, fog, frost, or even bright sun. Be sure to completely clear your vehicle prior to driving. It is important to reduce your speed when visibility is challenged, and use your headlights to help others see you better.

Band German Smorgasbord

The annual Band German Smorgasbord will be held Saturday, March 16th, 2019. The meal will be served from 5:00PM to 7:30PM and a band concert will be held at 7:45PM. Adult tickets are \$15.00, children ages 4-12 are \$7.00. Any child under the age of 4 is free. Ticket sales started February 18, 2019 and may be purchased from any band member, online at brownpapertickets.com, or by calling or stopping by the Heartland School offices.

Tickets must be purchased in advance.





Superintendent

BRAD BEST

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Business Manager
CHARLOTTE GREENWALL

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Superintendent's Administrative Assistant

BARB SENFF

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Heartland Community School to present the musical "Little Shop of Horrors" March 29th and March 30th, 2019

Seymour (played by Tyler Lewis) - an orphan and a nerd who works in a run-down flower shop on Skid Row spends his time doing menial tasks and dreaming of his co-worker, Audrey (played by Brooklyn Epp). Then, one day, just after an eclipse of the sun, Seymour discovers a strange plant. The exotic plant draws customers, saves the flower shop, owned by Mr. Mushnick (played by Zachary Dente) from bankruptcy and makes Seymour a hero in Audrey's eyes. But the plant has a rather unique appetite... and it's getting interested in Audrey too.

Other cast members include Ellyn Hall, Lauren Quiring, Taylynn Scheil, Wynema Stracener, and Raphaela Weber as Skid Row Urchins; Tobin Glinsmann as the voice of the plant; Aidan Swartzendruber as Audrey's nogood boyfriend and a dentist; Rachael Dente and Cora Johnson as Mushnik's flower shop customers; and Colton Monnier, Conner Barr, Nolan Boehr, Timberly Carr and Elizabeth Mestl, as reporters, interviewers and others eager to get a piece of the fame created by Seymour's Unique Plant.

Tickets will be available beginning March 4th. Ticket costs: Adult - \$12.00; Students - \$10.00



Aidan Swartzendruber, Zachary Dente, Tyler Lewis, Mr. Hall



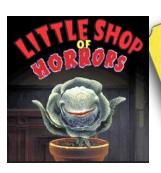
Tobin Glinsmann



Rachel Friesen, Lauren Quiring, Ellyn Hall, Raphaela Weber, Wynema Stracener



Brooklyn Epp, Tyler Lewis



Tickets go on sale March 4th at heartlandmusical.brownpapertickets.com



March 1-2, 2019

G BB State Tournament - Lincoln

March 4, 2019 SNC Quiz Bowl

March 4 & 5, 2019

Scholastic Book Fair 7:45am - 8:00pm

March 4 & 5, 2019

Parent/Teacher Conferences 4:30pm - 8:30pm

> March 5, 2019 FFA - CDE Contests

March 7-9, 2019

B BB State Tournament - Lincoln

March 8, 2019 NO SCHOOL

March 11, 2019

School Board Meeting - 7:00pm

March 12, 2019

FFA District Livestock Judging

March 16, 2019

German Smorgasbord - 5:00pm 6th-12th Grade Band Performance - 7:45pm

March 18, 2019

NO SCHOOL Teacher Professional Development Day

March 21, 2019

Family Literacy Night 5:30pm - 7:30pm

March 25, 2019

FFA Labor Auction - 5:00pm

March 27, 2019

ESU #6 Quiz Bowl - TBD

March 29 & 30, 2019

Musical, 7:00pm

March 30, 2019

Early Learning Guidelines (ELG) 9:00am - 4:00pm

Heartland Prom

On April 13, 2019, we will hold the Junior-Senior Prom. There will be a meal for the Juniors and Seniors and their guests at 6:30 pm in the old gym. The cost for the meal is \$15.00 for Juniors and \$15.00 for guests, complimentary for Seniors. After the meal, the students will do a walk-through starting at 7:45 pm; you are invited to join us in the theater. The Royalty ceremony will follow starting at approximately 8:15 pm. The prom dance will be held in the south gym starting at 9:00 pm. Students will need to purchase a \$5.00 ticket to the dance and post prom activities from the High School office. All activities are chaperoned by parents. We will let parents know if your child leaves before the conclusion of the prom activities (2:00 am).

2019 YORK COUNTY SPELLING BEE

On Wednesday, February 6th, Heartland students participated in the York County Spelling Bee. Representing Heartland were:

<u>3rd & 4th Grade</u>: Brian Bearinger, Katelyn Farrall, Emma Ott, Camden Riggs, and Julia Tessman as alternate.

5th & 6th Grade: Jacob Buller, Samuel Friesen, Brady Goertzen, Carter Lewis, and Creighton Friesen as alternate.

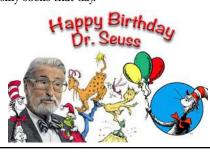
<u>7th & 8th Grade</u>: Dylan Gage, Katie Hallmark, Felicity Johnson, Owen Mierau, and Devin Plummer as alternate.

<u>Jacob Buller</u> placed 4th and will compete at the District Spelling Bee in Fairbury.



Read Across America Day

Heartland Elementary will celebrate Dr. Seuss' Birthday on Friday, March 1st. PK-6th students are encouraged to wear silly socks that day.







Secondary Principal

TIM CARR

Ext. 207 tcarr@heartlandschools.net



Secondary Administrative Assistant

JESSICA TESSMAN

Ext. 208 jtessman@heartlandschools.net





The Yearbook sales deadline is March 31, 2019!! After that date, we cannot quarantee we will

have extra yearbooks for you to purchase next year. If you are unsure about whether you (or your child) have purchased a yearbook, please contact sostmeyer@heartlandschools.net

2019 NCWIT Aspirations in Computing Award!

HCS Sophomore Josie McCormick was recently selected as a regional rising star for the Nebraska & SW Iowa Affiliate for the 2019 NCWIT Aspirations in Computing Award. The NCWIT Award builds a talent pool for the growing technical workforce and helps academic and corporate organizations celebrate diversity in computing by honoring young women at the high-school level for their computing-related achievements and interest. Award recipients are selected based on their aptitude and aspirations in technology and computing, leadership ability, academic history and plans for post-secondary education. Josie plans to attend the award ceremony on April 7th, 2019 which is hosted by the Department of Computer Science and Engineering at the University of Nebraska-Lincoln.



Josie McCormick

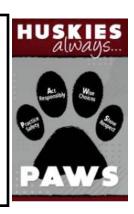
Elementary Principal
DANA REINKE

Ext. 206 <u>dreinke@heartlandschools.net</u>



PBIS Parent Presentation

During Parent Teacher Conferences on the evenings of March 4th and 5th, parents are invited to learn about Heartland's PBIS Implementation. Parents can watch a video showcasing elementary students. The session will take place in Mrs. Veerhusen's Classroom, located next to the high school library where the Book Fair will be taking place both evenings. Stop in to get a peek of the excitement and receive a Huskie PAWS magnet.



HEARTLAND'S ANNUAL GEOGRAPHY BEE

On January 30th, Heartland's annual Geography Bee was held. Contestants in grades fifth through eighth qualified from classroom wide competitions. At the end of the school competition, Jacob Buller, a sixth grader, was crowned the champion. Hendric Switzer, a seventh grader received second place and Jacob Regier, an eighth grader received third place. Jacob will compete in an online geography test with hopes of being in the top one hundred in Nebraska to qualify for that state meet. Congratulations to all the contestants!!!!







First Picture: Jacob Buller

Second Picture: Jacob Buller, Hendric Switzer, Jacob Regier

Third Picture (listed by grade): <u>Fifth Grade:</u> Lane Farrall, Ashton Lyons, Weston Panko, Laura Splinter; <u>Sixth Grade:</u> Jacob Buller, Jaxon Franssen, Creighton Friesen, Zachary Miller, Austin Schmidt; <u>Seventh Grade:</u>

Cheyenne Danielson, Benjamin Janzen, Ava Stebbing, Hendric Switzer, Nicholas Thieszen; Eighth Grade:

Tucker Bergen, Owen Mierau, Cole Miller, Wyatt Panko, Jacob Regier

TO PARENTS OF YOUNG CHILDREN IN THE HEARTLAND SCHOOL DISTRICT

All of us know the importance of social attachment (or bonding) with infants. As young children continue to grow, their experiences with the special people in their lives (parents, extended family, daycare providers and preschool teachers, other adults and friends) help them develop the communication and social skills they need.

Research, as well as our experience as educators, tells us that the single best predictor of school success is communication skills. Children entering kindergarten who can process (listen) and use language (speak) do well in school. However, those who do not process or communicate well will struggle without assistance or intervention in school. The school is responsible for providing free early intervention services to children from birth to age five who qualify, so that they can receive the help they need.

As children grow, learn and change, they can benefit from **developmental wellness visits**, just like they need regular preventive check-ups from a family doctor. Our school provides this "developmental check-up" to parents of children birth to age 5 to share developmental information on communication, gross motor, fine motor, self-help, and social skills. The early childhood personnel at the school can provide current and useful information to parents concerning the early development of their baby, toddler, or preschooler.

We invite you to join us for Ch.I.L.D. Day-<u>Childhood Information on Language and Development: Friday, March 15, 2019 from 8:00am to 4:00pm.</u>

Interested parents who live in the Heartland School District can call the school office in Henderson to schedule an appointment with the early intervention staff. The Ch.I.L.D. Day will be conducted in the Heartland Preschool room at the Heartland School in Henderson for children ages 3-5 and in the family home for babies to age 3. Participation in Ch.I.L.D. Day is free and completely voluntary and is conducted in a confidential manner. Further information may need to be gathered at a later time if the parents and school staff see any concerns. Parental permission is required for any further evaluation.

The Heartland Community School wishes to extend this invitation as one way of providing support and information to parents of young children in our district. The school's number is 402-723-4434 to register for Ch.I.L.D. Day.



Friday, March 15, 2019

8:00am to 4:00pm

Communication Milestones

By 4 months:

- * Eye contact, social smile
- * Laughs aloud, squeals, coos

By 9 months:

- * Babbles uses repeated consonant sounds, like "mama" or "dada"
- * Plays "peek-a-boo"

By 12 months:

- * Imitates sounds and actions
- * Understands simple phrases
- * Waves good-bye, plays patty-cake

By 18 months:

- * Says "Mama/Dada" for parents
- * Uses at least 5 words
- * Asks for food/drink with words

By 24 months:

- * Says 10 or more words
- * Follows simple instructions
- * Uses two-word combinations

By 3 years:

- * Uses words that are easily understood by unfamiliar adults
- * Talks in at least 3-word phrases
- * Engages in pretend play

By 4 years:

- * Plays cooperatively with peers
- * Totally understandable in conversation by unfamiliar adults/peers
- * Adjusts easily to changes in routine or schedule
- * Speaks in complete sentences, combining ideas with "and", "or", "but"
- * Has an extended vocabulary

PHISHING EMAIL

Ever receive an email that looked a little fishy? At one time, everyone has received an email that looks legitimate, but is fake. Criminals send emails that look real, hoping the victim will share personal information such as credit card numbers, passwords, social security numbers and more. These emails seem to know many personal facts about you. This personal information can be gathered by dishonest methods as well as public information; profiles from social media accounts and internet searches. Be careful when sharing online. Think before you click.

Sjouwerman, Stu. Privacy Journal. May 2015

100th Day of School

On Thursday, January 24th, elementary students celebrated the 100th Day of School. The day began with the Heartland tradition of firecrackers on the playground. Kindergarten to 2nd grade spent the morning rotating through station activities all focused on the number 100! Students created structures with 100 cups, created monsters with 100 body parts, had a 100 second showdown with different fitness activities, and created lanterns with 100 stars. All students enjoyed walking under the "We are 100 Days Smarter" hallway banner.

















April 2, 2019 ACT Test for Juniors

April 3, 2019 JH Quiz Bowl - 9:00am

April 3-5, 2019 FFA - State Convention

April 4-6, 2019 FBLA State Convention

April 8, 2019
School Board Meeting - 8:00pm

April 11-12, 2019
District Music Contest - TBD

April 13, 2019 Prom

April 15, 2019 FFA Banquet

April 19-22, 2019 NO SCHOOL

April 27, 2019 Early Learning Guidelines (ELG) 9:00am - 4:00pm

April 30, 2019 Art Show & Awards Night 6:30pm



Heartland High School VEX Robotics Season Highlights

After receiving a \$10,000.00 grant in early August, orders were placed for the robotics equipment. The order was not fulfilled until January 23rd, and the team's first competition was to be on January 26th. Instead, the team of 11 students traveled to Ravenna that day to observe what a VEX competition entailed. They spent the morning watching and asking questions of participating teams, then returned in the afternoon to build their competitive robots. They spent over 20 hours building robots and entered their first competition in CREATE Open meet (a competition in which anything goes in building the robot including: wood, plastic, tubes, nets, etc.) held in Aurora on February 2nd. The teams consisted of: Interstellars: Odessa Ohrt, Lauren Quiring, and Harmon Perez; Brogrammers 2.0: Alex Goertzen, Dawson Ohrt, Tyler Lewis, and Aaron Goertzen; and HD Rumble: Cooper Regier, Tobin Glinsmann, Heath Perez, and Jamie Rowe. They competed against teams that had spent over 200 hours building their robots. Two teams, Brogrammers 2.0 and HD Rumble, advanced to the final tournament bracket, consisting of 12 Alliance teams, or a total of 24 teams. Both won first round and lost in the second round, which was an excellent showing for the Heartland teams at their first competition.

VEX Robotics is a worldwide event that includes three levels, VEX IQ for elementary and middle school students, VEX EDR for Middle and High School, and VEX U for college students. The VEX EDR competition includes two portions: a driver-mode and an autonomous mode. In the autonomous mode, students write computer codes using C++ language and a newer language called VEX Studio, in which the robot complete tasks without any aid of the student. In the qualifying rounds, a robot runs autonomously for 15 seconds and a driver hand controller mode for 1:45 minutes. This year's competition game was called the Turning Point. The scoring involved flipping 10-inch disks, placing disks on poles, shooting balls at flags to turn to Alliance colors, and parking on platforms. Scoring ranges from one point to six points per task. Each match consists of 4 teams, with two on Blue Alliance and two on Red Alliance. Each team is randomly assigned alliance partners for each match and both teams share the points as well as the final outcome of a win, a loss or a tie. The teams usually compete in 6-8 matches in the preliminary rounds.

At the Melee of Mount Michael St. Benedictine School in Elkhorn on February 9th, teams were once again facing adversity with robots not able to use their autonomous programs as the coding they used would not work with the VEX system of starting and ending the timed matches. An Elkhorn teacher helped the teams to write new code so they could compete in the tournament. The teams lost some critical points as there was not enough time to change all of the programming before competition started. On this day, two teams made the final tournament consisting of 8 Alliance teams. The Interstellar team lost in the first round but not without a fight for the top of the Alliance platform. Lauren Quiring was the controller of the robot, which was much smaller than the opponent's but was able to gain the top with a final surge for 6 points. The HD Rumble team won their first two matches but missed finals. Tobin Glinsmann was the key driver for this team throughout the meet.

The teams ended with these results from a total of 28 teams: HD Rumble: 5-2-0, 5th place; Interstellar: 3-3-1, 10th place; and Brogrammers 2.0: 2-5-0, 20th place. The coaches are very proud of the accomplishments of the teams in such a short season. The members are done with competitions, but they will continue to meet to improve their programming coding and building a robot to complete tasks that they were not able to do in the limited time period for this year. The new game and missions for 2019-20 school year will be released in late April. The future looks very bright for the VEX robotics program at Heartland.



Alex Goertzen, Dawson Ohrt, Aaron Goertzen, Tyler Lewis



Heath Perez, Tobin Glinsmann, Cooper Regier



Alex Goertzen, Tyler Lewis, Dawson Ohrt



Harmon Perez, Odessa Ohrt, Lauren Quiring



Tobin Glinsmann, Heath Perez

NOTICE

On April 16, 2019 at 9:00 A.M., a meeting will be conducted in the boardroom at Heartland Community Schools. The purpose of the meeting will be to provide an opportunity for parents and representatives of nonpublic schools to participate in the development of a plan for providing special education services to children with disabilities who attend nonpublic schools and home schools which are within the Heartland Community Schools district for the 2019-2020 school year. Parents of a home-schooled child or a child attending a nonpublic school who has been or may be identified with a disability and attend a nonpublic school within the boundaries of Heartland Community Schools are urged to attend. If you have further questions pertaining to this meeting, please contact Brad Best, Superintendent, 402-723-4434.



Heartland High School

March 2019



March 2019

Practice & Facility Use CalendarHolidays in United StatesFrom Socs

Sunday 24	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday 5
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	Gym 7:30 PM HS Winter Concert 7:30 PM HS Winter Concert	= 3:40 PM Track Meeting in = 3:45 PM BBB Practice South = 3:45 PM GBB Practice North = 6:00 PM Rehearsal with	= 3:45 PM BBB Practice South Gym = 3:45 PM GBB Practice North Gym	USB State Tournament 7:25 AM Early Jazz Band Practices (when school is scheduled)	7:30 AM Chamber Singers	
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	Scholastic Book Fair	FFA - CDE Contests	FFA - Dist. Livestock Judging	BBB State Basketball		
	SNC Quiz Bowl	Scholastic Book Fair	-7:30 AM Chamber Singers	End of Quarter	No School	
	3:45 PM BBB Practice North Gym4:30 PM Parent Teacher6:00 PM Musical Rehearsal	7:25 AM Early Jazz Band3:45 PM BBB Practice North4:30 PM Parent Teacher6:00 PM Musical Rehearsal	 9:00 AM UNL rep visit 12:30 PM Quiz Bowl Practice tice 3:45 PM BBB Practice North 	 7:25 AM Early Jazz Band Practices (when school is 12:15 PM JH Taking Care of 6:00 PM Musical Rehearsal 	= 7:30 AM Chamber Singers	
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Daylight Saving Time starts	 6:00 PM Musical Rehearsal with Cast Meal 7:00 PM School Board Meeting 	FFA - District Livestock Judging 7:25 AM Early Jazz Band Practices (when school is scheduled) 6:00 PM Musical Rehearsal with Cast Meal	7:30 AM Chamber Singers 8:00 AM ACT Prep – All Juniors – Practice Test 12:30 PM Quiz Bowl Practice	7:25 AM Early Jazz Band Practices (when school is scheduled) = 6:00 PM Musical Rehearsal with Cast Meal	Track: Varsityvs. Doane College 7:30 AM Chamber Singers 6:00 PM Musical Rehearsal with Cast Meal	Smorgas bord = 10:00 AM Musical Rehearsal
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St. Patrick's Day	No School - Teacher Prof. Devel.	= 7:25 AM Early Jazz Band	1st Grade Field Trip- Edgerton	- 7:25 AM Early Jazz Band	= 5:30 AM Crane Field Trip	= 8:00 AM NE Ambassadors
	6:00 PM Musical Rehearsal with Cast Meal	Practices When school is 12:00 PM Track: Varsity vs. Sutton, Blue Hill, Centu- ra, Gibbon Public Schools, 6:00 PM Musical Rehearsal with Cast Meal	= 7:30 AM Chamber Singers = 11:30 AM ACT Prep – All Juniors – Math/Science = 12:30 PM Quiz Bowl Prac- tice	Practices (when school is scheduled) 5:30 PM Family Literacy Night 6:00 PM Musical Rehearsal	 7:30 AM Chamber Singers 4:00 PM NE Ambassadors of Music (Full Building) 	ot Music (Full Building)
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	8:00 AM ACT Prep All Juniors - English/Reading 5:00 PM FFA Labor Auction 6:30 PM FBLA Bingo-Nursing Home 8:00 PM Musical Rehearsal	7:25 AM Early Jazz Band Practices (when school is 8:20 AM 4th Grade Field 2:00 PM Track: Varsity vs. Wilber-Clatonia, 4:00 PM Golf: Boys Varsity 6:00 PM Musical Rehearsal	ESU6 Quiz Bowl 7:30 AM Chamber Singers 8:00 AM Career Fair/college visit for 10th grade 12:30 PM Mike Smith event 12:30 PM Quiz Bowl Prac-	7.25 AM Early Jazz Band Practices (when school is 9:00 AM Golf: Boys Varsity vs. Superior Junior/Senior, Blue Hill, Centennial 6:00 PM Musical Dress Rehearsal with Cast Meal;	7:30 AM Chamber Singers 4:30 PM Begin prep for musical – all cast @ 5PM 7:00 PM Musical	9:00 AM Early Learning Guidelines (ELG) 4:30 Wh Begin prep for musical- all Cast @ SPM 7:00 PM Musical
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	= 10:30 AM Track: Varsity	ACT Test for Juniors	FFA - State Convention	FBLA State Leadership Conf.		
	vs. Sandy Creek Junior/Se-	ACTTestDate-Juniors outallday	FFA - State Convention	FFA - State Convention	MCC Sale	
	Grand Island Senior. Hast-	= 7:25 AM Early lazz Band	= 7:30 AM Chamber Singers	FBLA - State Convention	FFA - State Convention	FBLA - State Convention
	ings St. Cecilia, Loup City/	Practices (when school is	9:00 AM JH Quiz Bowl	FBLA - State Convention	FBLA - State Convention	FBLA - State Convention
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2019 - 2020 Calendar for Heartland Community Schools

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Q3 days = 42
No School
Prof. Dev. Day - No Students
P/T Conferences 4:30-8:30 PM
End of Term

School Closing Information:
402-723-4421

PLEASE READ - The last day of school will depend upon the number of snow days used. Currently, the earliest last day is May 18th. If we use one snow day, the last day of school will be May 19th - two snow days, May 20th, etc. Our latest end of the year will be May 22nd. We may need to make other

Heartland Community Schools

1501 Front St.

Henderson, NE 68371 402-723-4434

www.heartlandschools.org

Q4 = 46 Sem = 89 Students = 175 Teachers = 185

Dates of Interest

 Aug 14
 First Day - Dismiss @ 11:40

 Sep 30
 P/T Conf. - 4:30-8:30

 Oct 7
 P/T Conf. - 4:30-8:30

Dec 22-26 NSAA Moratorium
Jan 7 School Resumes
Mar 2 & 3 P/T Conf. - 4:30-8:30

adjustments to the calendar if we need more days due to cancellations.

May 10 Graduation - 2:30 PM
May 18 Earliest Last Day
Dismiss @ 11:30

May 22 Latest Last Day

Every year, the FIRST Lego League releases the global challenge for their competition season. This year's challenge was for the teams to address a human physical or social problem faced during long duration space exploration within our Sun's solar system and propose a solution. Each of the Heartland Robotics teams describes their project and solution below:

DIGI-MINDS - One of the problems that astronauts face in space is homesickness, sleep deprivation, and stress. Astronauts stay in space for 4 to 6 months each time they go up, and in that time they can forget what life on earth smells like, just like how you can forget what some food tastes like after a few months of not having it. We decided to develop a product that will help them remember the smells of home and calm them in space. We have created the Sniff Snap, a bracelet that has different smells inside it, so you can smell different scents from earth in space. It is made of ribbon folded over and sewed on the other sides. It's held together with a snap, hence the name Sniff Snap. Inside the bracelet are either lavender blooms, coffee beans, or crushed corn cobs scented with Essential Oils. The scents are intended to improve concentration, help with stress relief, improve attitude as well as sleep, and remind them of home

ASTRO HACKERS - We discovered that most of the ISS exercise machines do not sufficiently exercise the upper body muscle groups. We wanted to build a device that would allow the astronauts to use resistance bands in order to be able to do pull ups and other upper body exercises in a weightless environment. We developed an exercise band/tubing contraption called MUSCLE MADNESS that will be used to do upper body exercises as well as some lower body exercises. The purpose of MUSCLE MADNESS is to strengthen and tone muscles of astronauts on the International Space Station so they don't lose as much muscle mass.



Jace Friesen



Jace Friesen







Peppermint, Cinnamon Bark, Lavender, Lavender Buds, Coffee Beans, and Rosemary



Office of the Superintendent Heartland Community Schools 1501 Front Street Henderson, NE 68371

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