## , 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 heartlandschools.org and look through the information provided under the "Resources" tab or visit www.iloveyouguys.org

## 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 DAYIN 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 \#I 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
Ext. 205
bbest@heartlandschools.net


## Business Manager

CHARLOTTE GREENWALL
Ext. 2 II
cgreenwall@heartlandschools.net


Superintendent's Administrative Assistant BARB SENFF

Ext. 201
bsenff@heartlandschools.net


## Heartland Community School to present the musical "Little Shop of Horrors" <br> 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 \$i2.oo; Students - \$io.oo


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


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


Brooklyn Epp, Tyler Lewis



## 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 $6: 30 \mathrm{pm}$ 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 $8: 15 \mathrm{pm}$. 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:
3rd \& 4th Grade: Brian Bearinger, Katelyn Farrall, Emma Ott, Camden Riggs, and Julia Tessman as alternate.


## Secondary Principal

 TIM CARRExt. 207 tcarr@heartlandschools.net 5th \& 6th Grade: Jacob Buller, Samuel Friesen, Brady Goertzen, Carter Lewis, and Creighton Friesen as alternate. 7th \& 8th Grade: Dylan Gage, Katie Hallmark, Felicity Johnson, Owen Mierau, and Devin Plummer as alternate.
Jacob Buller placed 4th and will compete at the District Spelling Bee in Fairbury.


Secondary
Administrative Assistant JESSICA TESSMAN

Ext. 208
jtessman@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


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.

- 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!!!!



## 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-Childhood Information on Language and Development: Friday, March 15, 2019 from 8:00am to 4:00pm.

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.



## 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 io 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

## rooth Day of School

On Thursday, January 24th, elementary students celebrated the iooth 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 ioo! Students created structures with roo cups, created monsters with ioo body parts, had a ioo second showdown with different fitness activities, and created lanterns with ioo stars. All students enjoyed walking under the "We are ioo 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 II-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


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## Heartland High School VEX Robotics Season Highlights

After receiving a $\$$ ro,ooo.oo grant in early August, orders were placed for the robotics equipment. The order was not fulfilled until January 23 rd, and the team's first competition was to be on January 26th. Instead, the team of iI 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 i2 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 ro-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: $5^{-2-0}$, 5 th place; Interstellar: $3^{-3-1}$, roth place; and Brogrammers 2.0: $2-5-0,20$ th 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.


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.
March 2019

- Practice \& Facility Use Calendar
- Holidays in United States



## 2019-2020 Calendar for Heartland Community Schools

| August 2019 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Su | Mo | Tu | We | Th | Fr | Sa |
|  |  |  |  | 1 | 2 | $\mathbf{3}$ |
| $\mathbf{4}$ | 5 | 6 | 7 | 8 | 9 | $\mathbf{1 0}$ |
| $\mathbf{1 1}$ | 12 | 13 | 14 | 15 | 16 | $\mathbf{1 7}$ |
| $\mathbf{1 8}$ | 19 | 20 | 21 | 22 | 23 | $\mathbf{2 4}$ |
| $\mathbf{2 5}$ | 26 | 27 | 28 | 29 | 30 | $\mathbf{3 1}$ |
|  |  |  |  |  |  |  |


| November $\mathbf{2 0 1 9}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Su | Mo | Tu | We | Th | Fr | Sa |
|  |  |  |  |  | 1 | $\mathbf{2}$ |
| $\mathbf{3}$ | 4 | 5 | 6 | 7 | 8 | $\mathbf{9}$ |
| $\mathbf{1 0}$ | $\mathbf{1 1}$ | 12 | 13 | 14 | 15 | $\mathbf{1 6}$ |
| $\mathbf{1 7}$ | 18 | 19 | 20 | 21 | 22 | $\mathbf{2 3}$ |
| $\mathbf{2 4}$ | 25 | 26 | 27 | $\mathbf{2 8}$ | 29 | $\mathbf{3 0}$ |
|  |  |  |  |  |  |  |


| February $\mathbf{2 0 2 0}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Su | Mo | Tu | We | Th | Fr | Sa |
|  |  |  |  |  |  | $\mathbf{1}$ |
| $\mathbf{2}$ | 3 | 4 | 5 | 6 | 7 | $\mathbf{8}$ |
| $\mathbf{9}$ | 10 | 11 | 12 | 13 | 14 | $\mathbf{1 5}$ |
| $\mathbf{1 6}$ | 17 | 18 | 19 | 20 | 21 | $\mathbf{2 2}$ |
| $\mathbf{2 3}$ | 24 | 25 | 26 | 27 | 28 | $\mathbf{2 9}$ |
|  |  |  |  |  |  |  |


| May 2020 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Su | Mo | Tu | We | Th | Fr | $\mathbf{S a}$ |
|  |  |  |  |  | 1 | $\mathbf{2}$ |
| $\mathbf{3}$ | 4 | 5 | 6 | 7 | 8 | $\mathbf{9}$ |
| $\mathbf{1 0}$ | 11 | 12 | 13 | 14 | 15 | $\mathbf{1 6}$ |
| $\mathbf{1 7}$ | $\mathbf{1 8}$ | 19 | $\mathbf{2 0}$ | $\mathbf{2 1}$ | 22 | $\mathbf{2 3}$ |
| $\mathbf{2 4}$ | $\mathbf{2 5}$ | 26 | 27 | 28 | 29 | $\mathbf{3 0}$ |
| $\mathbf{3 1}$ |  |  |  |  |  |  |

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

## Dates of Interest

[^0]| September 2019 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Su | Mo | Tu | We | Th | Fr | Sa |
| $\mathbf{1}$ | $\mathbf{2}$ | 3 | 4 | 5 | 6 | $\mathbf{7}$ |
| $\mathbf{8}$ | 9 | 10 | 11 | 12 | 13 | $\mathbf{1 4}$ |
| $\mathbf{1 5}$ | 16 | 17 | 18 | 19 | 20 | $\mathbf{2 1}$ |
| $\mathbf{2 2}$ | 23 | 24 | 25 | 26 | 27 | $\mathbf{2 8}$ |
| $\mathbf{2 9}$ | 30 |  |  |  |  |  |
|  |  |  |  |  |  |  |


| December 2019 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Su | Mo | Tu | We | Th | Fr | Sa |
| $\mathbf{1}$ | 2 | 3 | 4 | 5 | 6 | $\mathbf{7}$ |
| $\mathbf{8}$ | 9 | 10 | 11 | 12 | 13 | $\mathbf{1 4}$ |
| $\mathbf{1 5}$ | 16 | 17 | 18 | 19 | $\underline{\mathbf{2 0}}$ | $\mathbf{2 1}$ |
| 22 | 23 | 24 | $\mathbf{2 5}$ | 26 | 27 | 28 |
| $\mathbf{2 9}$ | 30 | 31 |  |  |  |  |
|  |  |  |  |  |  |  |

Q2 days $=41$ Sem 1 days $=86$

| March $\mathbf{2 0 2 0}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Su | Mo | Tu | We | Th | Fr | Sa |
| $\mathbf{1}$ | 2 | 3 | 4 | $\underline{5}$ | 6 | $\mathbf{7}$ |
| $\mathbf{8}$ | 9 | 10 | 11 | 12 | 13 | $\mathbf{1 4}$ |
| $\mathbf{1 5}$ | 16 | 17 | 18 | 19 | 20 | $\mathbf{2 1}$ |
| $\mathbf{2 2}$ | 23 | 24 | 25 | 26 | $\mathbf{2 7}$ | $\mathbf{2 8}$ |
| $\mathbf{2 9}$ | 30 | 31 |  |  |  |  |
|  |  |  |  |  |  |  |

Q3 days $=42$

| $\square$ | $\begin{array}{l}\text { No School }\end{array}$ |
| :--- | :--- |
|  | Prof. Dev. Day - No Students |
| $\square$ | P/T Conferences 4:30-8:30 PM |

End of Term

| October 2019 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Su | Mo | Tu | We | Th | Fr | Sa |
|  |  | 1 | 2 | 3 | 4 | $\mathbf{5}$ |
| $\mathbf{6}$ | 7 | 8 | 9 | 10 | 11 | $\mathbf{1 2}$ |
| $\mathbf{1 3}$ | $\mathbf{1 4}$ | 15 | 16 | 17 | $\underline{18}$ | $\mathbf{1 9}$ |
| $\mathbf{2 0}$ | 21 | 22 | 23 | 24 | 25 | $\mathbf{2 6}$ |
| $\mathbf{2 7}$ | 28 | 29 | 30 | 31 |  |  |
|  |  |  |  |  |  |  |

Q1 days $=45$

| January $\mathbf{2 0 2 0}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{S u}$ | Mo | Tu | We | Th | Fr | $\mathbf{S a}$ |
|  |  |  | $\mathbf{1}$ | 2 | 3 | $\mathbf{4}$ |
| $\mathbf{5}$ | 6 | 7 | 8 | 9 | 10 | $\mathbf{1 1}$ |
| $\mathbf{1 2}$ | 13 | 14 | 15 | 16 | 17 | $\mathbf{1 8}$ |
| $\mathbf{1 9}$ | $\mathbf{2 0}$ | 21 | 22 | 23 | 24 | $\mathbf{2 5}$ |
| $\mathbf{2 6}$ | 27 | 28 | 29 | 30 | 31 |  |
|  |  |  |  |  |  |  |


| April 2020 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Su | Mo | Tu | We | Th | Fr | Sa |
|  |  |  | 1 | 2 | 3 | $\mathbf{4}$ |
| $\mathbf{5}$ | 6 | 7 | 8 | 9 | $\mathbf{1 0}$ | $\mathbf{1 1}$ |
| $\mathbf{1 2}$ | $\mathbf{1 3}$ | 14 | 15 | 16 | 17 | $\mathbf{1 8}$ |
| $\mathbf{1 9}$ | 20 | 21 | 22 | 23 | 24 | $\mathbf{2 5}$ |
| $\mathbf{2 6}$ | 27 | 28 | 29 | 30 |  |  |
|  |  |  |  |  |  |  |

Heartland Community Schools
1501 Front St.
Henderson, NE 68371
402-723-4434
www.heartlandschools.org
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 adjustments to the calendar if we need more days due to cancellations.
$\begin{array}{cl}\text { Dec 22-26 } & \text { NSAA Moratorium } \\ \text { Jan 7 } & \text { School Resumes } \\ \text { Mar 2 \& 3 } & \text { P/T Conf. }-4: 30-8: 30\end{array}$

May 10
May 18
May 22 Latest @ 11:30

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.


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

## Non-Profit Organization

U.S. Postage PAID

Permit 26
Henderson, NE 6837I

## ECRWSS


[^0]:    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

