

DISTRICT 709 FIELD TRIP REQUESTS

In accordance with School District Policy District 6160, District 709 recognizes properly planned, well conducted, and carefully supervised field trips may be a vital part of the curriculum. School field trips are encouraged within available resources and requirements outlined below.

DIRECTIONS: All staff are required to submit a Field Trip Request prior to the field trip being finalized with the involved students and to:

- Receive administrative and/or extra-curricular coordinator approval for all instructional and supplementary field trips
- Receive administrative reviewal and school board approval for all extended trips (Exceptions may be granted by the school board chair to accommodate emergencies.)

DEFINITIONS:

Instructional Trips - Trips that take place during the school day, relate directly to a course of study, and require student participation. Fees may not be assessed against students.

Supplementary Trips - Trips in which students voluntarily participate in and which often take place outside the regular school day, but do not include overnight stays. Financial contributions may be requested of students.

Extended Trips Within Minnesota and Continental United States - Trips that involve one or more overnight stops within Minnesota or the Continental United States and may be instructional or supplementary and are voluntary in nature. Extended field trips require school board approval prior to the trip.

INSTRUCTIONAL TRIP ACTION

Principal: Approved Name: _____
 Not Approved Date: _____

SUPPLEMENTAL TRIP ACTION

Principal: Approved Name: _____
 Not Approved Date: _____

Instructional/Supplemental Trips need not be sent to District office.

EXTENDED TRIP ACTION

Principal: Recommended Name: Cher Obst
 Not Recommended Date: 1/16/13

Assistant Superintendent: Recommended Name: Crawford
 Not Recommended Date: 1/8/13

School Board: Approved Name: _____
 Not Approved Date: _____

All extended trip proposals must be sent to the Assistant Superintendent's Office to be placed on the Education Committee meeting agenda for approval.

FIELD TRIP REQUEST FORM

Date of Submission:

Type of Trip: Instructional Supplementary Extended

1. Organization/Grade/Course Planning Trip: Homecroft 5th Graders
2. Contact Person (Responsible for Checklist Completion): John Bushey – Instructional Coach Homecroft
3. Field Trip Date(s): 2/10/14-2/12/14 Destination: Wolf Ridge ELC -
4. Field Trip Overview (Include events, establishments and locations): All events occur on the Wolf Ridge campus. We stay in dormitories with 6-8 people/room. All food is served on campus in the cafeteria. All classes (3/ day) take place on the Wolf Ridge property near Finland, MN.
5. Field Trip Departure from School (Date and Time): 2/10/14– leave 9:15am
Field Trip Return to School (Date and Time): 2/12/14 return to school @1:45pm
6. Objectives of Field Trip: To provide students a learning opportunity in a natural setting and in a hands-on manner. The classes we take tie into our MN state Science, Physical Education, and language arts standards
7. Relationship to Curriculum or Student Learning: Our district science curriculum is not currently well aligned with the MN State Standards. This trip involves a great deal of learning pertaining to our district science curriculum and the MN State Standards, helping prepare our students and assuring we are able to teach all the MN state standards.. It also helps develop personal growth for the students and builds teamwork skills necessary to be successful in school and throughout our lives.
8. Planned Follow-up Field Trip Activities: We use the experience to promote interest and motivation to learn the remainder of the year. We will do Windows Movie Maker projects, a narrative about the experience, and use the memories of the trip to create enthusiasm for learning, science, and conservation of our resources.
9. Field Trip Budget Request

Estimated Expenses	
Total Admission/Fees (includes 66 students, 3 staff members, and @17 chaperones)	11.008
Total Meals *included in above fees	\$ included
Total Lodging *included in above fees	\$ included
Total Transportation	\$1024.67
<input type="checkbox"/> School District Vehicle(s)	
<input type="checkbox"/> Commercial Transportation Carrier ~ Name: _____	
<input type="checkbox"/> Private Vehicle (requires certificate of insurance) ~ Name: _____	
Total Additional Stipends: (snacks for everyone both evenings we are there)	\$100
Other:	\$
Total	\$12,132.67

Revenues		
District Budget	Code:	\$
Fundraising-calendar sale & PTA spaghetti dinner		\$5250
Donations		\$2500
Student & chaperone Fees		\$2883
Total Additional Stipends: Wolf Ridge Grant		\$1500
Total		\$12133

11. Reviewed/Completed Request Checklist: Yes No

**RETURN COMPLETED REQUEST TO BUILDING PRINCIPAL
FIELD TRIP REQUEST CHECKLIST - All Field Trips**

DIRECTIONS: Please complete checklist. No attachments are necessary.

- Develop and Communicate Student Discipline Expectations
- Forward Field Trip Explanation and Fee Structure Letter Sent to Parents/Guardians
- Collect Parent/Guardian Permission for Student Participation in Field Trip (Include request for special information - i.e. allergies, medications, special needs.)
- Gain Access to Cell Phone for Field Trip
- Plan Arrangements for Early Pick-Up or Late Drop-Off Students (if necessary).
Guide: May choose to leave message on school voice mail to help with late drop off.
- Plan Meal Arrangements (if necessary)
Reminder: Notify food service of non-participation.
- Plan Administration of Student Medication and First Aid Needs (if necessary)
Guide: Contact School Nurse. - *working on it.*
- Develop and Communicate Action Plan if Student Gets Lost on Trip
- Arrange Adult Chaperones for Field Trip (if necessary)
Guide: One (1) adult for every twenty (20) students depending on field trip. Parent volunteers are encouraged when possible or appropriate.
- Develop and Communicate Teacher and Adult Chaperone Expectations
Example: Supervision duties, no smoking, no alcohol - *Parent Mtg. held in early March*
- Planned Itinerary

TIME

11:15am 2/10/14

12:00 pm 2/10/14

12:15 pm 2/12/14

LOCATION

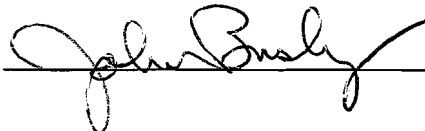
Arrive at Wolf Ridge 6288 Cranberry Rd. Finland, MN 55603

Lunch first day, they off to classes - continue classes & meals until Friday 11:15am

Leave Wolf Ridge - arrive back at Homecroft @1:45pm

- Maintain Student Roster and Check-in/Check-out Procedure
- Arrangement for Safety Needs (i.e. crossing guards)

Signature of Contact Person:




FIELD TRIP REQUEST CHECKLIST - Extended Trip Only

DIRECTIONS: Please complete checklist and attach all appropriate materials.

- Develop and Complete Field Trip Itinerary and Emergency Telephone Contacts Letter to Parents/Guardians
Note: Attach tentative planned itinerary.
- Arrange Funding of Expenses During Trip *IN Progress*
- Arrange Meal Plans
- Arrange Lodging Plans and Room Assignments - *Lodging done - Room assignments to be completed*
- Collect Family Emergency Information for Students
Example: Home phone numbers, emergency contacts, medical information
- Additional Information
Note: Provide any additional information.

Signature of Contact Person:



Itinerary;

Wolf Ridge 2/10/14---2/12/14 Homecroft School

Monday, February 10th, 2014

- Leave Homecroft School: 9:15am 3/26/14
- Arrive Wolf Ridge 11:00am 3/26/14
- 11:30am – Check into dorm rooms; orientation/introduction to our liaison.
- 12:00 – lunch – Lake Superior Dining Hall
- 1:15-4:15 first Class
- 5:00 Dinner
- 5:15-6:05 – Group A, B, go to store
- 6:15-9:15 Night Class
- 9:15-9:30 – night snack
- 9:45 – Bed/lights out
- 9:45-10:00 parent chaperone meeting

Tuesday, February 11th, 2014

- 6:30 wake up – get ready
- 7:15 Breakfast
- 8:15 -11:15 Morning Class
- 12:00 Lunch
- 1:15-4:15 – Afternoon Class
- 5:00 Dinner
- 5:15-6:05 Groups C, D, E go to store
- 6:15-9:15 – Night class
- 9:15-9:40 – Snack, magic show, campfire
- 9:45 – lights out – bed

Wednesday, February 12th, 2014

- 6:30 wake up get ready – pack and gear stored in Dorm Lobby before breakfast
- 7:15 Breakfast
- 8:15-11:00am (classes end 15 min. early to get ready for departure)
- 11:45 bag lunch in dorm lobby; Wolf Ridge liaison goodbye
- 12:00 – depart Wolf Ridge
- 1:45 – Arrive back at Homecroft School

*Students can be picked up by parents upon arrival at school

*Students not picked up may leave gear in classrooms until Monday when gear can be picked up.

DISTRICT 709 FIELD TRIP REQUESTS

In accordance with School District Policy District 6160, District 709 recognizes properly planned, well conducted, and carefully supervised field trips may be a vital part of the curriculum. School field trips are encouraged within available resources and requirements outlined below.

DIRECTIONS: All staff are required to submit a Field Trip Request prior to the field trip being finalized with the involved students and to:

- > Receive administrative and/or extra-curricular coordinator approval for all instructional and supplementary field trips
- > Receive administrative reviewal and school board approval for all extended trips (Exceptions may be granted by the school board chair to accommodate emergencies.)

DEFINITIONS:

Instructional Trips - Trips that take place during the school day, relate directly to a course of study, and require student participation. Fees may not be assessed against students.

Supplementary Trips - Trips in which students voluntarily participate in and which often take place outside the regular school day, but do not include overnight stays. Financial contributions may be requested of students.

Extended Trips Within Minnesota and Continental United States - Trips that involve one or more overnight stops within Minnesota or the Continental United States and may be instructional or supplementary and are voluntary in nature. Extended field trips require school board approval prior to the trip.

INSTRUCTIONAL TRIP ACTION

Principal: Approved Name: _____

Not Approved Date: _____

SUPPLEMENTAL TRIP ACTION

Principal: Approved Name: _____

Not Approved Date: _____

Instructional/Supplemental Trips need not be sent to District office.

EXTENDED TRIP ACTION

Principal: Recommended Name: Kate Marshall

Not Recommended Date: 12-9-13

Assistant Superintendent: Recommended Name: E. Crawford

Not Recommended Date: 11/8/13

School Board: Approved Name: _____

Not Approved Date: _____

All extended trip proposals must be sent to the Assistant Superintendent's Office to be placed on the Education Committee meeting agenda for approval.

FIELD TRIP REQUEST FORM

Date of Submission:

Type of Trip: Instructional Supplementary Extended

1. Organization/Grade/Course Planning Trip: Congdon Park 4th Graders
2. Contact Person (Responsible for Checklist Completion): John Bushey – Instructional Coach Congdon Park
3. Field Trip Date(s): 3/26/14-3/28/14 Destination: Wolf Ridge ELC -
4. Field Trip Overview (Include events, establishments and locations): All events occur on the Wolf Ridge campus. We stay in dormitories with 6-8 people/room. All food is served on campus in the cafeteria. All classes (3 per day) take place on the Wolf Ridge property near Finland, MN.
5. Field Trip Departure from School (Date and Time): 3/26/12 – leave 9:15am
Field Trip Return to School (Date and Time): 3/28/12 return to school @1:45pm
6. Objectives of Field Trip: To provide students a learning opportunity in a natural setting and in a hands-on manner. The classes we take tie into our MN state Science, Physical Education, and language arts standards.
7. Relationship to Curriculum or Student Learning: Our district science curriculum is not currently well aligned with the MN State Standards. This trip involves a great deal of learning pertaining to our district science curriculum and the MN State Standards, bridging the gaps with our 4th and 5th grade students. It also helps develop personal growth for the students and builds teamwork skills necessary to be successful in school and throughout our lives.
8. Planned Follow-up Field Trip Activities: We use the experience to promote interest and motivation to learn the remainder of the year and the following year. We will do Windows Movie Maker projects, a narrative about the experience, and use the memories of the trip to create enthusiasm for learning, science, and conservation of our resources.
9. Field Trip Budget Request

Estimated Expenses	
Total Admission/Fees (includes 75 students, 4 staff members, and @18 chaperones)	\$12,000
Total Meals *included in above fees	\$ included
Total Lodging *included in above fees	\$ included
Total Transportation	\$1050
<input type="checkbox"/> School District Vehicle(s) <input type="checkbox"/> Commercial Transportation Carrier ~ Name: _____ <input type="checkbox"/> Private Vehicle (requires certificate of insurance) ~ Name: _____	
Total Additional Stipends: (snacks for everyone both evenings we are there)	\$125
Other:	\$
Total	\$13,175

Revenues		
District Budget	Code:	\$
Fundraising		\$7500
Donations		\$2500
Student & chaperone Fees		\$3000
Total Additional Stipends:		\$
Total		\$13,000

11. Reviewed/Completed Request Checklist: Yes No

**RETURN COMPLETED REQUEST TO BUILDING PRINCIPAL
FIELD TRIP REQUEST CHECKLIST - All Field Trips**
DIRECTIONS: Please complete checklist. No attachments are necessary.

- Develop and Communicate Student Discipline Expectations
- Forward Field Trip Explanation and Fee Structure Letter Sent to Parents/Guardians
- Collect Parent/Guardian Permission for Student Participation in Field Trip (Include request for special information - i.e. allergies, medications, special needs.) - *Liability & health forms home in December.*
- Gain Access to Cell Phone for Field Trip
- Plan Arrangements for Early Pick-Up or Late Drop-Off Students (if necessary).
Guide: May choose to leave message on school voice mail to help with late drop off.
- Plan Meal Arrangements (if necessary)
Reminder: Notify food service of non-participation.
- Plan Administration of Student Medication and First Aid Needs (if necessary)
Guide: Contact School Nurse. - *School nurse - already spoken to her.*
- Develop and Communicate Action Plan if Student Gets Lost on Trip
- Arrange Adult Chaperones for Field Trip (if necessary)
Guide: One (1) adult for every twenty (20) students depending on field trip. Parent volunteers are encouraged when possible or appropriate.
- Develop and Communicate Teacher and Adult Chaperone Expectations
Example: Supervision duties, no smoking, no alcohol
- Planned Itinerary

TIME

11:15am 3/26/14
12:00 pm 3/26/14
12:15 pm 3/28/14

LOCATION

Arrive at Wolf Ridge 6288 Cranberry Rd. Finland, MN 55603
Lunch first day, they off to classes - continue classes & meals until Friday 11:15am
Leave Wolf Ridge - arrive back at Congdon Park @1:45pm

- Maintain Student Roster and Check-in/Check-out Procedure
- Arrangement for Safety Needs (i.e. crossing guards) - *Deb Sauer.*

Signature of Contact Person:

John W. Bushley

FIELD TRIP REQUEST CHECKLIST - Extended Trip Only
DIRECTIONS: Please complete checklist and attach all appropriate materials.

- Develop and Complete Field Trip Itinerary and Emergency Telephone Contacts Letter to Parents/Guardians
Note: Attach tentative planned itinerary.
- Arrange Funding of Expenses During Trip
- Arrange Meal Plans - *at W.R. - we purchase snacks at night.*
- Arrange Lodging Plans and Room Assignments
- Collect Family Emergency Information for Students
Example: Home phone numbers, emergency contacts, medical information
- Additional Information
Note: Provide any additional information.

Signature of Contact Person:

John W. Bushley

Itinerary;

Wolf Ridge 3/26/14---3/28/14 Congdon Park:

Wed. March 26, 2014

- Leave Congdon park School: 9:15am 3/26/14
- Arrive Wolf Ridge 11:00am 3/26/14
- 11:30am – Check into dorm rooms; orientation/introduction to our liaison.
- 12:00 – lunch – Lake Superior Dining Hall
- 1:15-4:15 first Class
- 5:00 Dinner
- 5:15-6:05 – Group A, B, C go to store
- 6:15-9:15 Night Class
- 9:15-9:30 – night snack
- 9:45 – Bed/lights out
- 9:45-10:00 parent chaperone meeting

Thursday March 27, 2014

- 6:30 wake up – get ready
- 7:15 Breakfast
- 8:15 -11:15 Morning Class
- 12:00 Lunch
- 1:15-4:15 – Afternoon Class
- 5:00 Dinner
- 5:15-6:05 Groups D, E, F go to store
- 6:15-9:15 – Night class
- 9:15-9:40 – Snack, magic show, campfire
- 9:45 – lights out – bed

Friday March 28th, 2014

- 6:30 wake up get ready
- 7:15 Breakfast
- 8:15-11:00am (classes end 15 min. early to get ready for departure)
- 11:45 bag lunch in dorm lobby; Wolf Ridge liaison goodbye
- 12:00 – depart Wolf Ridge
- 1:45 – Arrive back at Congdon Park

*Students can be picked up by parents upon arrival at school

*Students not picked up may leave gear in classrooms until Monday when gear can be picked up.

03/06/13

DISTRICT 709 FIELD TRIP REQUESTS

In accordance with School District Policy District 6160, District 709 recognizes properly planned, well conducted, and carefully supervised field trips may be a vital part of the curriculum. School field trips are encouraged within available resources and requirements outlined below.

DIRECTIONS: All staff are required to submit a Field Trip Request **prior** to the field trip being finalized with the involved students and to:

- Receive administrative and/or extra-curricular coordinator approval for all instructional and supplementary field trips
- Receive administrative review and school board approval for all extended trips (Exceptions may be granted by the school board chair to accommodate emergencies.)

DEFINITIONS:

Instructional Trips - Trips that take place during the school day, relate directly to a course of study, and require student participation. Fees may not be assessed against students.

Supplementary Trips - Trips in which students voluntarily participate in and which often take place outside the regular school day, but do not include overnight stays. Financial contributions may be requested of students.

Extended Trips Within Minnesota and Continental United States - Trips that involve one or more overnight stops within Minnesota or the Continental United States and may be instructional or supplementary and are voluntary in nature. Extended field trips require school board approval prior to the trip.

INSTRUCTIONAL TRIP ACTION

Principal: Approved
 Not Approved

Name: [Signature]
Date: 12/15/13

SUPPLEMENTAL TRIP ACTION

Principal: Approved
 Not Approved

Name: _____
Date: _____

Instructional/Supplemental Trips need not be sent to District office.

EXTENDED TRIP ACTION

Principal: Recommended
 Not Recommended

Name: [Signature]
Date: 12/15/13

Assistant Superintendent: Recommended
 Not Recommended

Name: [Signature]
Date: 1/8/13

School Board: Approved
 Not Approved

Name: _____
Date: _____

All extended trip proposals must be sent to the Assistant Superintendent's Office to be placed on the Education Committee meeting agenda for approval.

FIELD TRIP REQUEST FORM

Date of Submission:

Type of Trip: Instructional Supplementary Extended

1. Organization/Grade/Course Planning Trip: Myers Wilkins - grade 5
2. Contact Person (Responsible for Checklist Completion): Terry Betlewski
3. Field Trip Date(s): January 8-10, 2014 Destination: Deep Portage Environmental Learning Center
4. Field Trip Overview (Include events, establishments and locations): students are involved in experiential science, inquiry and community/team based activities throughout each of the days @ Deep Portage's student centered facilities
5. Field Trip Departure from School (Date and Time): January 8, 2014 8:15 am
Field Trip Return to School (Date and Time): January 10, 2014 2:15 pm
6. Objectives of Field Trip: students will experience lessons guided by the MN Grades Academic Standards in Science - Strand 4 - "Life Science" students will participate in positive individual & team-based activities to instill confidence
7. Relationship to Curriculum or Student Learning: direct correlation to science standards and community building efforts taught @ Myers-Wilkins
8. Planned Follow-up Field Trip Activities: pre & post activities take place within the classroom that are directly tied to experiences @ Deep Portage
9. Field Trip Budget Request

Estimated Expenses		
Total Admission/Fees	65 students @ 40.00 + 14 chaperones	\$ 3160
Total Meals		\$ included
Total Lodging		\$ included
Total Transportation		\$
<input type="checkbox"/> School District Vehicle(s)		
<input checked="" type="checkbox"/> Commercial Transportation Carrier - Name:	<u>Voyaguer</u>	
<input type="checkbox"/> Private Vehicle (requires certificate of insurance) - Name:	_____	1200
Total Additional Stipends:		\$ N/A
Other:		\$ N/A
Total		\$ 4360

Revenues		
District Budget	Code:	\$
Booster Group		\$
Donations		\$
Student Fees		\$
Total Additional Stipends:		\$
Total		\$

11. Reviewed/Completed Request Checklist: Yes No

RETURN COMPLETED REQUEST TO BUILDING PRINCIPAL

FIELD TRIP REQUEST CHECKLIST - All Field Trips

DIRECTIONS: Please complete checklist. No attachments are necessary.

- Develop and Communicate Student Discipline Expectations
- Forward Field Trip Explanation and Fee Structure Letter Sent to Parents/Guardians
- Collect Parent/Guardian Permission for Student Participation in Field Trip (Include request for special information - i.e. allergies, medications, special needs.)
- Gain Access to Cell Phone for Field Trip
- Plan Arrangements for Early Pick-Up or Late Drop-Off Students (if necessary).
Guide: May choose to leave message on school voice mail to help with late drop off.
- Plan Meal Arrangements (if necessary)
Reminder: Notify food service of non-participation.
- Plan Administration of Student Medication and First Aid Needs (if necessary)
Guide: Contact School Nurse.
- Develop and Communicate Action Plan if Student Gets Lost on Trip
- Arrange Adult Chaperones for Field Trip (if necessary)
Guide: One (1) adult for every twenty (20) students depending on field trip. Parent volunteers are encouraged when possible or appropriate. *12 kids*
- Develop and Communicate Teacher and Adult Chaperone Expectations
Example: Supervision duties, no smoking, no alcohol
- Planned Itinerary

TIME

January 8-10, 2014

LOCATION

Deep Portage ELC
2194 Nature Center Drive NW
Hackensack, NJ 07642
218-682-2325

- Maintain Student Roster and Check-in/Check-out Procedure
- Arrangement for Safety Needs (i.e. crossing guards)

Signature of Contact Person: *Derry Battewick*

FIELD TRIP REQUEST CHECKLIST - Extended Trip Only

DIRECTIONS: Please complete checklist and attach all appropriate materials.

- Develop and Complete Field Trip Itinerary and Emergency Telephone Contacts Letter to Parents/Guardians
Note: Attach tentative planned itinerary.
- Arrange Funding of Expenses During Trip - *soup, bread fundraiser*
- Arrange Meal Plans
- Arrange Lodging Plans and Room Assignments
- Collect Family Emergency Information for Students *collected for Myers-Wilkens & Deep Portage*
Example: Home phone numbers, emergency contacts, medical information
- Additional Information
Note: Provide any additional information.

Signature of Contact Person: _____



Deep Portage Learning Center

EXPLORING WOODS • WATER • WILDLIFE

[About Us](#) [School Visits](#) [Summer Camps](#) [Adult & Family Programs](#) [Renewable Energy](#) [Bird Observatory](#) [Contact Us](#)

[Return Home](#)

[What is Deep Portage?](#)

[Our History](#)

[Deep Portage Staff](#)

[Facilities](#)

[Hiking & Skiing Trails](#)

[Watch a Video](#)

[Recipes from Our Kitchen](#)

[Road Map / Directions](#)

[Employment Opportunities](#)

[Deep Portage Trustees](#)



Deep Portage is a great place to learn!

Deep Portage Learning Center is a residential environmental learning center, fully accredited by the North Central Association of Colleges and Schools. Thousands of students visit Deep Portage each year to take part in environmental and conservation education programs. Visit the schools section of this site to plan your class trip.

In addition, Deep Portage serves groups, organizations, area residents and visitors with weekly classes, interpretive programs, wildflower garden displays, weekend retreats and study groups, land use demonstrations, summer camps, and recreation opportunities of birding, hiking, hunting, and skiing.

Deep Portage is available for school visits, organizational meetings and training, family educational adventures, weekend retreats, and teacher workshops. Groups can conduct their own agenda, or as most do, utilize the expertise of the Deep Portage faculty and accredited curriculum.

2197 NATURE CENTER DRIVE NW, HACKENSACK, MN 56452 TEL: 602-2825

[ABOUT US](#) | [SCHOOL VISITS](#) | [SUMMER CAMP](#) | [ADULT & FAMILY PROGRAMS](#) | [RENEWABLE ENERGY](#) | [BIRD OBSERVATORY](#) | [CONTACT US](#)

Minnesota Grade 5 Academic Standards in Science (2009)

		object's speed and the direction it is moving.	<p>Identify the force that starts something moving or changes its speed or direction of motion. <i>For example:</i> Friction slows down a moving skateboard.</p> <p>Demonstrate that a greater force on an object can produce a greater change in motion.</p>
3. Earth and Space Science	1. Earth Structure and Processes	2. The surface of the Earth changes. Some changes are due to slow processes and some changes are due to rapid processes.	<p>Explain how, over time, rocks weather and combine with organic matter to form soil.</p>
			<p>Explain how slow processes, such as water erosion, and rapid processes, such as landslides and volcanic eruptions, form features of the Earth's surface.</p>
3. Earth and Space Science	4. Human Interaction with Earth Systems	1. In order to maintain and improve their existence, humans interact with and influence Earth systems.	<p>Identify renewable and non-renewable energy and material resources that are found in Minnesota and describe how they are used. <i>For example:</i> Water, iron ore, granite, sand and gravel, wind and forests.</p>
			<p>Give examples of how mineral and energy resources are obtained and processed and how that processing modifies their properties to make them more useful. <i>For example:</i> Iron ore, biofuels, or coal.</p>
			<p>Compare the impact of individual decisions on natural systems. <i>For example:</i> Choosing paper or plastic bags impacts landfills as well as ocean life cycles.</p>
4. Life Science	1. Structure and Function in Living Systems	1. Living things are diverse with many different characteristics that enable them to grow, reproduce and survive.	<p>Describe how plant and animal structures and their functions provide an advantage for survival in a given natural system. <i>For example:</i> Compare the physical characteristics of plants or animals from widely different environments, such as desert versus tropical, and explore how each has adapted to its environment.</p>
	2. Interdependence Among Living Systems	1. Natural systems have many parts that interact to maintain the living system.	<p>Describe a natural system in Minnesota, such as a wetland, prairie or garden, in terms of the relationships among its living and nonliving parts, as well as inputs and outputs. <i>For example:</i> Design and construct a habitat for a living organism that meets its need for food, air and water.</p>
			<p>Explain what would happen to a system such as a wetland, prairie or garden if one of its parts were changed. <i>For example:</i> Investigate how road salt runoff affects plants, insects and other parts of an ecosystem. <i>Another example:</i> Investigate how an invasive species changes an ecosystem.</p>
4. Human Interactions with Living Systems	1. Humans change environments in ways that can be either beneficial or harmful to themselves and other organisms.	<p>Give examples of beneficial and harmful human interaction with natural systems. <i>For example:</i> Recreation, pollution, or wildlife management.</p>	