1st Grade
The Needs of Living Things - Plants
Classroom Teacher Information

Programs are subject to change based on weather, temperature, road conditions, public health and safety concerns.

Synopsis:
In this hands-on exploration, students will dissect flowers to gain understanding of how plants meet their needs. They will explore local flora, make close observations, identify patterns, and construct an explanation of the needs and similarities of plants in Logan Canyon.

Students will:
- Participate in group & individual exploration
- Develop skills in close observation
- Observe and compare external features of plants
- Build appreciation for and make a connection to a local forest

Length of Program: 1.5 hours
Season(s) Offered: Fall or Spring
Location: Stokes Nature Center
Program Fee: $6 per student

Logistics:
- The school bus should drop you off at the Stokes Nature Center trailhead of the River Trail in Logan Canyon (on the south shoulder of the highway) where you will be met by your Naturalist Educators.
- Please have a plan for dividing your group in half, each smaller group should include a teacher or staff from your school.
- Program will end at the Stokes Nature Center and you will walk with your students back down the trail (plan 7-10 minutes from the end of the program to walk back to the trailhead).
- Students should wear comfortable clothing that may get dirty.
- We will be outside for much of this program, dressing in layers is advised.
- Closed toe shoes are appropriate. Please, no flip flops.
- All students and teachers should have a face covering available at all times.
- Students should wear visible name tags (packing tape over a name tag keeps them from falling off).
- Please bring one adult per five students. There is no charge for teachers or adult chaperones.
- Restrooms are available inside the Nature Center.
- Water fountains are not available at the Nature Center, students are welcome to bring a full water bottle.

See curriculum connections on the next page.
## Curriculum Connections

**SEEd Standard 1.2.2**

<table>
<thead>
<tr>
<th>Science and Engineering Practices</th>
<th>Crosscutting Concepts</th>
<th>Disciplinary Core Ideas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constructing explanations</td>
<td>Patterns</td>
<td>Molecules to Organisms</td>
</tr>
<tr>
<td>Obtaining, evaluating, and</td>
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<td></td>
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<tr>
<td>communicating information</td>
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### Additional Utah Core Curriculum Connections

<table>
<thead>
<tr>
<th>Subject</th>
<th>Standard</th>
<th>Objective</th>
</tr>
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<tbody>
<tr>
<td>English Language Arts</td>
<td>SL 1.1</td>
<td>Participate in collaborative conversions with diverse partners about grade 1 topics and texts with peers and adults in small and larger groups.</td>
</tr>
<tr>
<td></td>
<td>SL 1.2</td>
<td>Ask and answer questions about key details in a text read aloud or information presented orally or through other media.</td>
</tr>
<tr>
<td>Social Studies</td>
<td>1.2.1</td>
<td>Describe and demonstrate appropriate social skills necessary for working in a group.</td>
</tr>
<tr>
<td>PE</td>
<td>Strands 1-5</td>
<td>Movement and cooperation</td>
</tr>
<tr>
<td>SEL</td>
<td>K-12</td>
<td>This program supports students growth in all 5 CASEL core competencies: Self Awareness, Social Awareness, Responsible Decision Making, Self Management, Relationship Skills</td>
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1st Grade
Winter Interpretive Hike
Classroom Teacher Information

Programs are subject to change based on weather, temperature, road conditions, public health and safety concerns.

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<tr>
<th>Synopsis:</th>
<th>Objectives-Students will:</th>
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| Discover what lives in the forest during winter. Students will explore and make observations of plants and animals (or signs of them) while discussing what is happening in the forest at this time of year. Students will observe the location of the sun and build on their knowledge of the variation of daylight patterns at different times of the day and year. We’ll experiment with making shadows and designs in the snow. | ● Participate in group & individual exploration of nature  
● Make weather observations  
● Discuss changes in the weather from this week to last and this season to last  
● Search for signs of living things  
● Share their observations |

Length of Program: 1.5 hours  
Season(s) Offered: Winter  
Location: Varies depending on snow conditions (King’s Nature Park-Bonneville Shoreline Trail or Logan River Trail at Stokes Nature Center).  
Program Fee: $6 per student

Logistics:  
- Please plan time to load the bus at your school and drive to the field site.  
- Confirm the location of your field experience with the driver before leaving your school.  
- Please arrive at the site 5 minutes before your program starts. Programs will begin and end on time.  
- Students should wear comfortable clothing that may get dirty and/or wet.  
- We will be outside for the entirety of this program, dressing in layers is advised.  
- Students should wear snow boots. Please, no gym shoes.  
- We have a limited number of boots, coats, and gloves to loan your students if they need them. Please request these at least two days in advance of your program.  
- Students should wear visible name tags (packing tape over a name tag keeps them from falling off).  
- Please bring one adult per five students (there is no charge for teachers or chaperones).

See curriculum connections on the next page.
### Curriculum Connections
SEEed Strands 1.1

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