



MosSE (Montana spectrUM Science Experience)

Water Exhibition Requirements

Overview: Our objective is to reach *all* Montanans with our world-class, hands-on science exhibits, activities, and educators, not just Montanans living in or near urban centers. We travel the state, setting up science centers in school gymnasiums and community centers, bringing the wonder and discovery of science to all Montanans.

Programs:

1. Circus of Science Field trips: School groups can visit the exhibits for a 45 minute to 1½ hour field trip experience. Each field trip starts with a group introduction and discussion with spectrUM educators, proceeds to a guided exploration, and concludes with a group discussion of the science concepts learned.

2. Circus of Science Family Science Night: Family Science Nights allow children to share the joy of hands-on science discovery with their family members. This is a self-guided experience with spectrUM Educators on the floor to help interpret science concepts and engage families in learning. Exciting demos are included in the Family Science Night, such as Liquid Nitrogen Demos or guided dissections.

***Once we book our exhibit with your school, here is what we will need from you:**

1) Host site specifications:

- a. **Space-** Our *Water* exhibit needs a space at least half the size of a standard-sized gymnasium.
- b. **Double doors-** A few of our exhibit pieces requires double doors (at least 100 inches), both at the entry into the school and at the entry into the room where the exhibit will be displayed. Please have a custodian available to help remove the middle door jam, if necessary. If your school is not equipped with double doors, please let us know, and we will not bring this piece of the exhibit.
- c. **Tables and outlets-** *Water* requires access to five outlets.
- d. **Set up/Tear down:** We typically need 1 ½ hours for set-up and 1 hour for tear-down. We usually set up the exhibit the evening before and will need someone to meet us at the school to let us in.

- 2) **Lodging, if possible**- It is greatly appreciated if the host site provides housing in homes, hotels, or dorm rooms for spectrUM Educators and staff, usually 2-3 adults. Each adult requires a separate room and a separate bed. Host Site is not required to provide food or transportation.
- 3) **School Lunch, if possible**- spectrUM educators are often provided school lunch. This is not required, but is greatly appreciated as it does help keep our program costs down.
- 4) **Schedule**-Please provide spectrUM with a field trip schedule *at least one week* before we arrive.

Sample Schedule:

Time	Grade	# of students	Teacher
8 :30-9:25	K-2	39	
9:30-10:25	3-4	32	
10:30-11:25	5-6	28	
11:30-12:30	7-8th	25	
12:30-1:15	lunch	-----	-----
1:15-2:15	9 th -10 th	30	
2:20-3:15	11 th -12th	28	

Please note:

Field trips typically last 45 minutes to 1 ½ hours. We can accommodate up to 40 children at a time, but prefer group sizes closer to 25 children. Schools should schedule 5-15 minutes between field trips for clean up.

spectrUM staff require a 30 minute lunch break in the middle of the day. Teachers are expected to accompany students on field trips.

- 5) **Press:** spectrUM will send a press release through the University of Montana to distribute to Missoula and Host Site local press. We will also send a press release to the Host Site.
- 6) **Volunteers**- Volunteers greatly enhance the field trip experience because children will get to experience more stations. Often times, schools will have high school students volunteer for an hour as a way to earn extra credit. We can use up to 2 high school or parent volunteers per field trip. Host site will need to provide 2-4 volunteers if they are holding a Family Science Night.