**The National Federation of the Blind of Michigan**

**presents:**

**Sense-sational Adventures in**

**Summer Science**

**The Twisty, Turbulent Torrents of Science**

**Can learning science be fun? Can a musician or poet or graphic artist use science in their art?** How about our water? Is it cleaner or dirtier than it was when your parents were your age? Is there more or less water now than in the past? Does your lawn care make a difference to a fish in the Great Lakes? Does a ship coming from another part of our world change the Great Lakes as it picks up or delivers its freight? What is it doing here, anyway? Why is Detroit or Saginaw built where they are? Is it geology, biology, weather or just random human choice which causes cities to grow where they are?

**The world has divided science into a number of topical studies including chemistry, physics, geology, biology (including medicine), and many more. Anyone who has stepped out of their back door will, with a little thought, observe that all of these sciences are always in play. They are a seamless tapestry of interactivity which result in all kinds of stuff like plants, animals, dirt, air, streams lakes and the list goes on. Humans have now entered this mix to add our own influences upon this mash-up.**

**Sense-sational Adventures in Summer Science (SASS) will investigate this tapestry. We will consider how all of these interactions are played out in the geological feature of the watershed. We will consider the effects of geology, physics, chemistry, biology and how humans can change the very surface of the planet and the diversity of life itself.**

**If you love science and if you have a passion for any scientific area of study, you will have a chance to jump in the stream and dive deep into how your interest relates to the environment when you join us in The Twisty, Turbulent Torrents of Science.**

**If you are concerned about the environment and how you may learn to help create a clean, vital and accessible world in the future for you and your future children, join us for The Twisty, Turbulent Torrents of Science.**

**If you, on the other hand, simply want to know more about the various areas of scientific study and whether a blind person can be a successful scientist, you will also love The Twisty, Turbulent Torrents of Science**

**If you are blind or have low-vision, are in middle school or high school, don’t hesitate. There is lots of space for you in a science career or as a hobby interest. The National Federation of the Blind of Michigan will present an accessible program, regardless of whether you see nothing, a little or if sometimes it changes, that will demonstrate how blind folks work in various fields of science and contribute to our understanding of how our world works and what drives our environment. We will have professional blind scientists and experts in a variety of scientific fields. We will demonstrate and you will learn to use sophisticated state-of-the-art equipment to measure, record and analyze data to support your hypothesis. You will learn to be a scientist. You will have a chance to be creative in an artistic way. Most of all, you will have fun with other blind folks who are interesting and also love to have fun.**

**Please join us August 4 Through August 11, 2019 as we have fun floating, figuring, paddling, probing, laughing and learning about science and our environment in The Twisty, Turbulent Torrents of Science.**

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**APPLICATION**

**This year’s SASS program will be presented August 4-11, 2019.**

**Please complete the following form. Our goal is to provide a science learning opportunity which is fun, educational, and emphasizes use of “skills of blindness” in all activities. All scientists will be included fully regardless of visual acuity.**

**Please e-mail this application to** [**youth@nfbmi.org**](mailto:youth@nfbmi.org) **by July 1, 2019**

**Applications will be accepted on a first come/first served basis and once the scientist list has reached capacity, additional applications will be placed on a waiting list.**

***Scientist Information***

**Name:**

**Street address:**

**City:**

**State:**

**Zip:**

**Birthday:**

**Gender:**

**Scientist phone:**

**(optional)**

**Scientist Email:**

***Parent/legal Guardian Information***

**Name:**

**Street address:**

**City:**

**State:**

**Zip:**

**Primary phone:**

**Alternate phone (optional)**

**Email:**

**Insurance Name:**

**Contract number:**

**Group number:**

***About Your Scientist***

**The following information will help us prepare for your child to join the SENSE-SATIONAL ADVENTURES IN SUMMER SCIENCE. We prefer that the scientist complete this section, if possible.**

1. **What is your primary reading format? Check all that apply:**

**Contracted braille (grade 2)**

**Uncontracted braille (grade 1)**

**Large print**

**Electronic**

**Other**

1. **Do you have any food or other allergies which we need to be aware of?**
2. **What areas of STEAM are you most interested in? Check all that apply:**

**Chemistry**

**Physics**

**Biology**

**Natural sciences**

**Computer programming**

**Website design**

**Mechanical engineering**

**Electrical engineering / Electronics**

**Mathematics**

**Creative Writing**

**Poetry**

**Graphic or Fine Art**

**Song Writing**

**Music**

**Journalism**

**Other (please write in)**

1. **What is your favorite science topic or subject?**
2. **What aspect of science (nature, technological, human-made) is of most interest to you?**
3. **What book or books have you read for fun in the past year?**
4. **What other activities would you like to do during the week?**
5. **What is your T-shirt size?**

**X-Small**

**Small**

**Medium**

**Large**

**X-Large**

**XX-Large**

**XXX-Large**

1. **What toppings do you like on your pizza?**
2. **Do you have a favorite ethnic or regional food?**