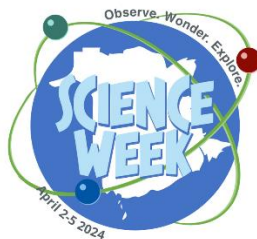


## NB Science Week 2024 – Sessions with Pre-Registration



### **Brilliant Labs Pre-Recorded Sessions (English and French)**

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(\*Kits with all required materials will be sent to classes for Science Week: Apr 2-5 2024. You will be notified if your registration is successful)

#### **Underwater Morphing:**

**Pre-Register [HERE](#) by March 15 2024 – 30 Class Kits available**

Suggested grade levels- 6-12

Morphing Matter is a type of material that can change in shape, how stiff or flexible it is, or how clear or solid it appears. These changes happen when the material is exposed to different types of energy, like heat, moisture, light, or electricity. In this activity, we'll explore a unique use of Morphing Matter to create sustainable Ocean architecture. These structures are designed to transform from flat, 2D shapes to 3D forms when they are placed in water. It's a fascinating way to see how innovative materials can be used in environmental design and architecture.

#### **Biomaking (3 activities):**

**Pre-Register [HERE](#) by March 15 2024 – 15 Class Kits available**

Suggested grade levels- 3-8

#### **Glowing Algae string in the Dark**

Uncover the secrets of bioluminescence by participating in the creation of a glowing algae thread that illuminates in the dark. Create and explore the amazing properties of bioluminescent algae, learning to manipulate their ability to produce light. Marvel at the beauty of nature while understanding the biological mechanisms behind this captivating capability.

#### **Conductive Bioplastic**

Immerse yourself in the realm of sustainability with the fabrication of conductive bioplastic. Explore eco-friendly alternatives by creating a plastic material derived from biological sources. Test this conductive bioplastic with LED's and observe how this circuit operates.

#### **Color Your Biofabrication!**

Explore the chemistry of colors using red cabbage powder as a pH indicator, lemon juice, vinegar, baking soda, and dish soap. Transform your class into an artistic laboratory by blending the colors of bioplastics and algae threads with different pH solutions. Discover how nature can provide us with simple yet powerful tools to visualize chemical changes while creating unique artistic works.

### **Celebrate the Solar Eclipse during SCIENCE WEEK!**

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Wednesday, April 3, from 9 to 10 a.m. – Live Event for K-8 in English

Thursday, April 4, from 10 to 11 a.m. – Live Event for K-8 in French

**Pre-Register [HERE](#) by March 20 2024 – 100 Spots available**

**The Centre of Excellence for Energy** is pleased to offer two LIVE read aloud sessions for K-8 in English and French. Registered classes will receive a copy of "Sun! One in a Billion/Moi, Le Soleil Unique Parmi les Milliards" by Steve McNulty and Stevie Lewis, along with unique Solar Eclipse learning resources and instructional materials for K-2, 3-5, and 6-8. These sessions will be followed by a Q & A about the total solar eclipse with a special guest! There are only 100 spots each for English and French so don't wait!