



## COLOURS OF SCIENCE



### Dear Educator:

Thank you for choosing to bring your students to the Science Gallery. When you arrive, check in at the box office on the Planetarium level. For payment, you will be required to know the exact number of students and adults in your group.

Store outerwear, lunches, backpacks, etc, in the cloakroom in the lower level. No backpacks in the gallery. The Manitoba Museum is not responsible for loss or theft; valuables should be left at home or school.

For further information, please visit our website [www.manitobamuseum.ca](http://www.manitobamuseum.ca) or call 988-0626.

### Visiting the Science Gallery

After your program, you will be exploring the Science Gallery. Our exhibits are best enjoyed with the assistance of an adult – teachers are asked to divide the class into smaller groups assigned to adult supervisors.

Please note, washrooms and water fountain are located near the *Numbers Game* exhibit. There is no need to leave the gallery during your visit.

### Science Gallery Rules

1. No running, please.
2. Out of respect for other classes and visitors, please use indoor voices.
3. Food and drink are not allowed in the gallery. No gum, please.
4. Before entering the Matrix –the room of mirrors– everyone must remove their shoes and put on the slippers provided. Please put your shoes back on your feet when you leave the Matrix.
5. Please read or listen to instructions before trying out the exhibits.

Class control remains the teacher's responsibility.

Please turn off cell phones or set the ring to silent during programs.

### SCHOOL PROGRAMS SPONSORED BY



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**Grade:** Kindergarten  
**Cluster:** Colours  
**Duration:** 30 minutes  
**Location:** Science Gallery

### Program Outline:

This program aims to reinforce the colours of the rainbow, how primary colours can be mixed together to create secondary colours and how some colours are invisible to our eyes. The use of chemistry, multi-media and a live insect makes this demonstration a colourful complement to the Colours cluster.

### Vocabulary:

Here is a list of words we use during this program:

Rainbow, prism, red, orange, yellow, green, blue, indigo, violet, primary colours, secondary colours, mix, ultraviolet.

### Pre-visit Suggestions:

1. Go over the colours of the rainbow: red, orange, yellow, green, blue, indigo (the colour of dark blue jeans) and violet.
2. Discuss the concept of “primary colours” (red, yellow and blue) and “secondary colours” (orange, green and violet).
3. Categorize objects in your classroom based on their colour.

### Follow-up Activities:

Mix primary colours to create new shades – use food colouring as your medium. Or find transparencies in red, yellow and blue and use an overhead projector to mix colours.

Use a prism on a sunny day to make rainbows in the classroom. Experiment with other materials to see if they too will make rainbows –water in a glass dish on the windowsill, for example.

