

Creative Challenge: Scratch and Vibot Have Fun at Quebec City's Winter Festival

In this challenge, Scratch and Vibot go to Quebec City's Winter Carnival where there are several activities for them to do. The Carnival gives them the opportunity to sled, to ice skate and play hockey, to build a snow palace, to eat maple taffy on snow, and to make snow angels. Although the settings for the activities are provided in the Scratch project, you must add necessary elements that will contribute to the success of the event. Follow the instructions below to offer Scratch and Vibot an unforgettable Carnival.

EN: <https://scratch.mit.edu/projects/146254976/>

FR: <https://scratch.mit.edu/projects/134437951/>



(* Before beginning the challenge, don't forget to remix the project by clicking on  !)

Activity 1. Sledding

- Vibot and Scratch want to sled, but they don't have the right equipment. Can you build them a sled for them to use?
- Then, add the movement blocks that are necessary to ensure a swift way downhill. Make sure that the movement is as natural as possible.

Activity 2. Ice skating and hockey

- In this activity, you are asked to fix a few programming errors. The first error is that Pico can sometimes skate on the snow, which does not make sense. The second error occurs when Pico is skating backwards.
- To make Pico's movements natural, make sure that Pico's body is face the direction towards which he is skating at any given moment.
- You can also add other characters and have them play hockey with Pico. They will need equipment (hockey sticks, puck, goals, etc.). Make sure that you include the movements of the sticks and the puck.

Activity 3. Construction d'un palais de glace

- Here, you are expected to help Scratch and Vibot build a palace made of big ice blocks. There is one block available, but (hint:) you can duplicate it to obtain several blocks. Don't hesitate to modify the size of the blocks so the palace looks nice.

Activity 4. Maple taffy on snow

- In this activity, there is a bucket full of maple taffy. Add movements to the bucket so that when it is tilted, delicious maple taffy pours out of the bucket.

Activity 5. Snow angels

- In this very simple activity, you must make Scratch move so that he creates snow angels in the snow. Naturally, Scratch's movements should somehow modify the snow on which he is lying.

Activity 6. Secret and hidden activity

- Can you find it?