



# Innovation Station Online!

## Make Your Own Frost

Have you ever drawn in the frost of your windows-or any frozen food container? Ever wonder how that frost forms? Have fun making your own frost with materials around your house!

#childrensmuseums #DailyDoseofPlay #cdmpowerofplay  
#blono

## Materials

- Ice (preferably crushed)
- Salt
- A metal container

# Instructions

1



Fill a metal container  $\frac{3}{4}$  of the way with ice. Crushed ice is preferred but cubes work just fine!

2



Add a layer of salt on top of your ice (about  $\frac{1}{2}$  an inch). When we add the salt to the ice we cause a chemical reaction to occur. As the ice melts it reacts with the salt to create an even cooler temperature!

3



Now wait

4



...and wait (this can take up to 8 minutes)

5



Slowly you'll notice frost form on the outside of your container! Moisture from the air collects on the container and freezes (because of our chemical reaction creating a cool temperature) and frost forms!

If you want to speed the process up, cover your container and give it a good shake!

Want even more fun?!

- Try different types of salt. Does this change the time it takes frost to form?
- Try different amounts of ice and salt. How does this change the time it takes frost to form?
- Will frost form without any salt? Add only ice to the container and see!