Team Procedures for "Melting and Freezing"

Your team will need the following:

- scale
- 1 plastic locking bag
- permanent marker to mark plastic locking bag
- access to a freezer
- measuring cup

Working with your team complete the following procedures:

1. Using a permanent marker, label a plastic locking bag with your team identification.
2. Measure 250 ml of water using a measuring cup. Pour the water into the plastic locking bag and seal the bag.
3. Make an estimate of the combined weight of the bag and the water. Record your estimate.
4. Weigh the bag and the water and record the weight. Compare actual and estimated weight.
5. Place the bag of water in a freezer.
6. Record a prediction of what you think the weight of water and bag will be after the water has frozen.
7. Weigh the bag after the water is completely frozen. Record the weight and compare the frozen weight with the liquid weight.
8. Write a statement that explains the relationship of the weight of water and ice.
9. Predict what the weight of the water will be when it melts. Let the water melt and check your prediction. Does your statement apply to melted water?

When you have completed the activity prepare to share your findings with the class