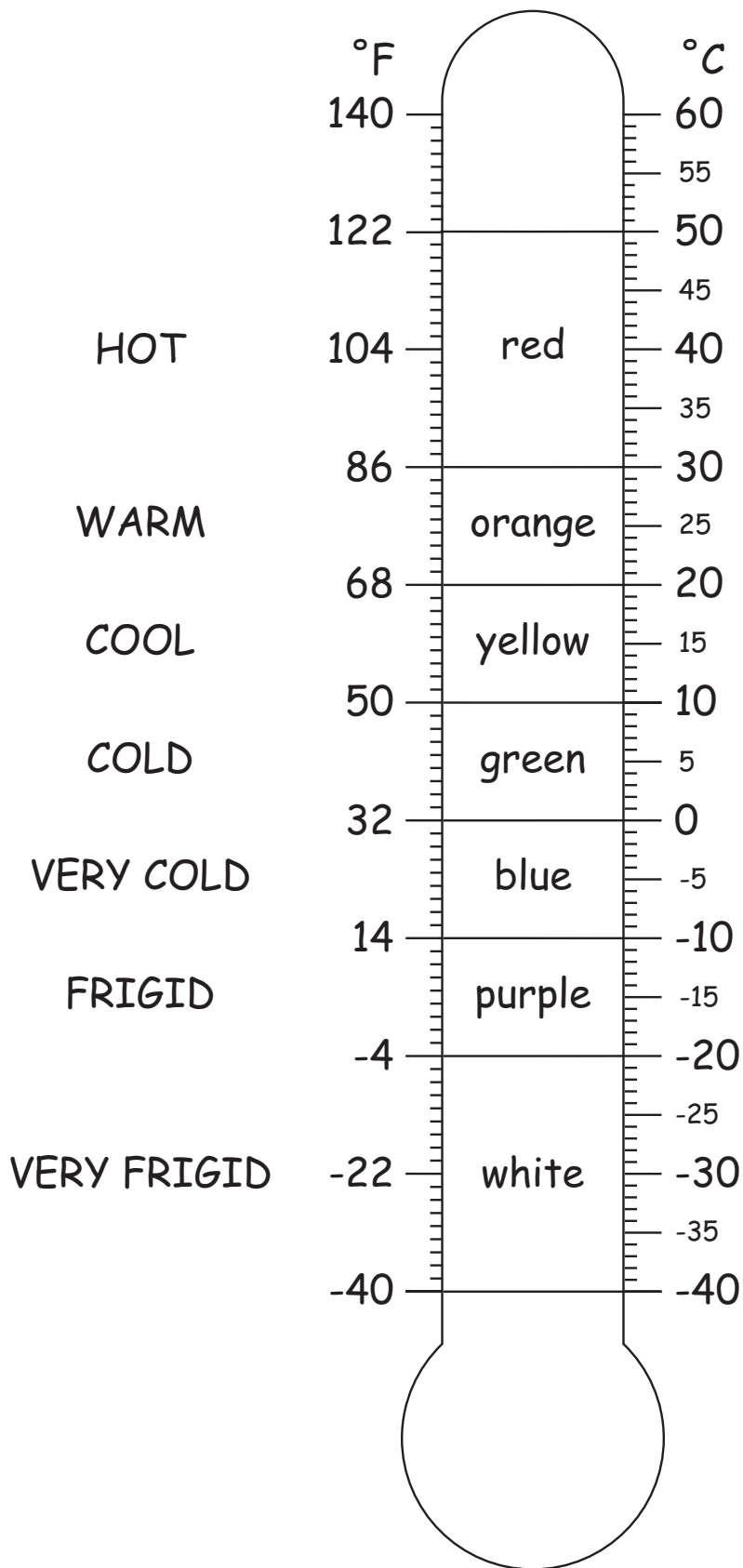


Thermometer



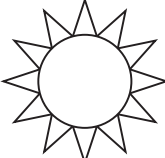





Weather Calendar

Class Weather Calendar for _____

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
							Date	KEY
								Sky Symbol
								Temperature

31-Day Sky Observations Bar Graph

We have _____ days of observations for this month.

31	31	31	31	31	31
30	30	30	30	30	30
29	29	29	29	29	29
28	28	28	28	28	28
27	27	27	27	27	27
26	26	26	26	26	26
25	25	25	25	25	25
24	24	24	24	24	24
23	23	23	23	23	23
22	22	22	22	22	22
21	21	21	21	21	21
20	20	20	20	20	20
19	19	19	19	19	19
18	18	18	18	18	18
17	17	17	17	17	17
16	16	16	16	16	16
15	15	15	15	15	15
14	14	14	14	14	14
13	13	13	13	13	13
12	12	12	12	12	12
11	11	11	11	11	11
10	10	10	10	10	10
9	9	9	9	9	9
8	8	8	8	8	8
7	7	7	7	7	7
6	6	6	6	6	6
5	5	5	5	5	5
4	4	4	4	4	4
3	3	3	3	3	3
2	2	2	2	2	2
1	1	1	1	1	1
					

31-Day Sky Temperature Bar Graph

We have _____ days of observations for this month.

31	31	31	31	31	31	31
30	30	30	30	30	30	30
29	29	29	29	29	29	29
28	28	28	28	28	28	28
27	27	27	27	27	27	27
26	26	26	26	26	26	26
25	25	25	25	25	25	25
24	24	24	24	24	24	24
23	23	23	23	23	23	23
22	22	22	22	22	22	22
21	21	21	21	21	21	21
20	20	20	20	20	20	20
19	19	19	19	19	19	19
18	18	18	18	18	18	18
17	17	17	17	17	17	17
16	16	16	16	16	16	16
15	15	15	15	15	15	15
14	14	14	14	14	14	14
13	13	13	13	13	13	13
12	12	12	12	12	12	12
11	11	11	11	11	11	11
10	10	10	10	10	10	10
9	9	9	9	9	9	9
8	8	8	8	8	8	8
7	7	7	7	7	7	7
6	6	6	6	6	6	6
5	5	5	5	5	5	5
4	4	4	4	4	4	4
3	3	3	3	3	3	3
2	2	2	2	2	2	2
1	1	1	1	1	1	1
White -40 to -21 °C -40 to -4 °F	Purple -20 to -11 °C -4 to 12 °F	Blue -10 to -1 °C 12 to 30 °F	Green 0 to 9 °C 32 to 48 °F	Yellow 10 to 19 °C 50 to 66 °F	Orange 20 to 29 °C 68 to 84 °F	Red 30 to 50 °C 86 to 122 °F

Blank Bar Graph

We made _____ total observations.

26	26	26	26	26	26	26
25	25	25	25	25	25	25
24	24	24	24	24	24	24
23	23	23	23	23	23	23
22	22	22	22	22	22	22
21	21	21	21	21	21	21
20	20	20	20	20	20	20
19	19	19	19	19	19	19
18	18	18	18	18	18	18
17	17	17	17	17	17	17
16	16	16	16	16	16	16
15	15	15	15	15	15	15
14	14	14	14	14	14	14
13	13	13	13	13	13	13
12	12	12	12	12	12	12
11	11	11	11	11	11	11
10	10	10	10	10	10	10
9	9	9	9	9	9	9
8	8	8	8	8	8	8
7	7	7	7	7	7	7
6	6	6	6	6	6	6
5	5	5	5	5	5	5
4	4	4	4	4	4	4
3	3	3	3	3	3	3
2	2	2	2	2	2	2
1	1	1	1	1	1	1

Directions: In each box above, write the type of data you observed.

Cloud Shapes

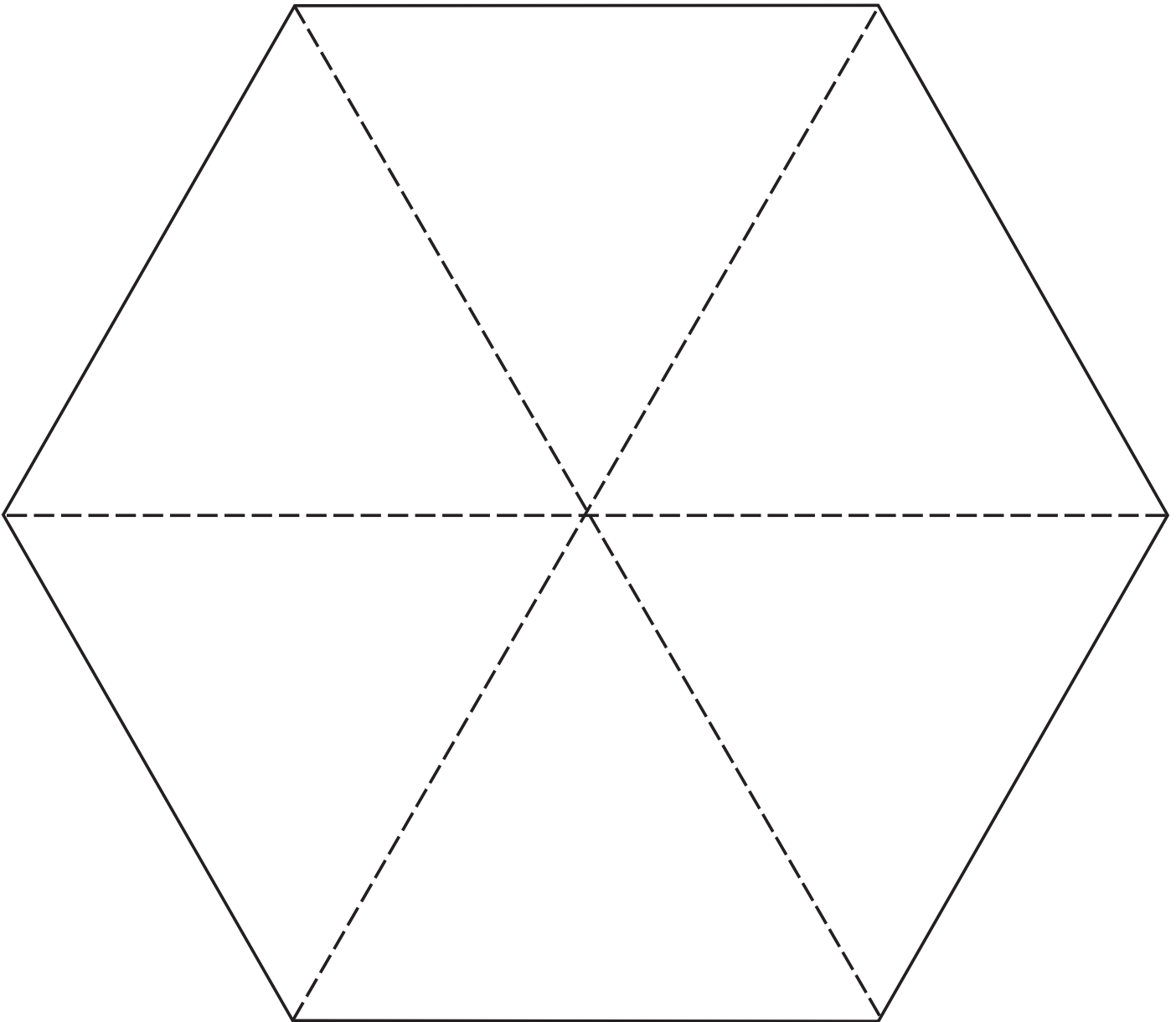
Cumulus

Cirrus

Stratus

Snowflake Pattern

1. Use tissue paper to trace the hexagon pattern.
2. Cut out the hexagon.
3. Fold the hexagon in half.
4. Fold hexagon in thirds and then in half again.
5. Cut a shape along the edge with many folds showing. (Don't cut tip of triangle)
6. Open to find your snowflake.



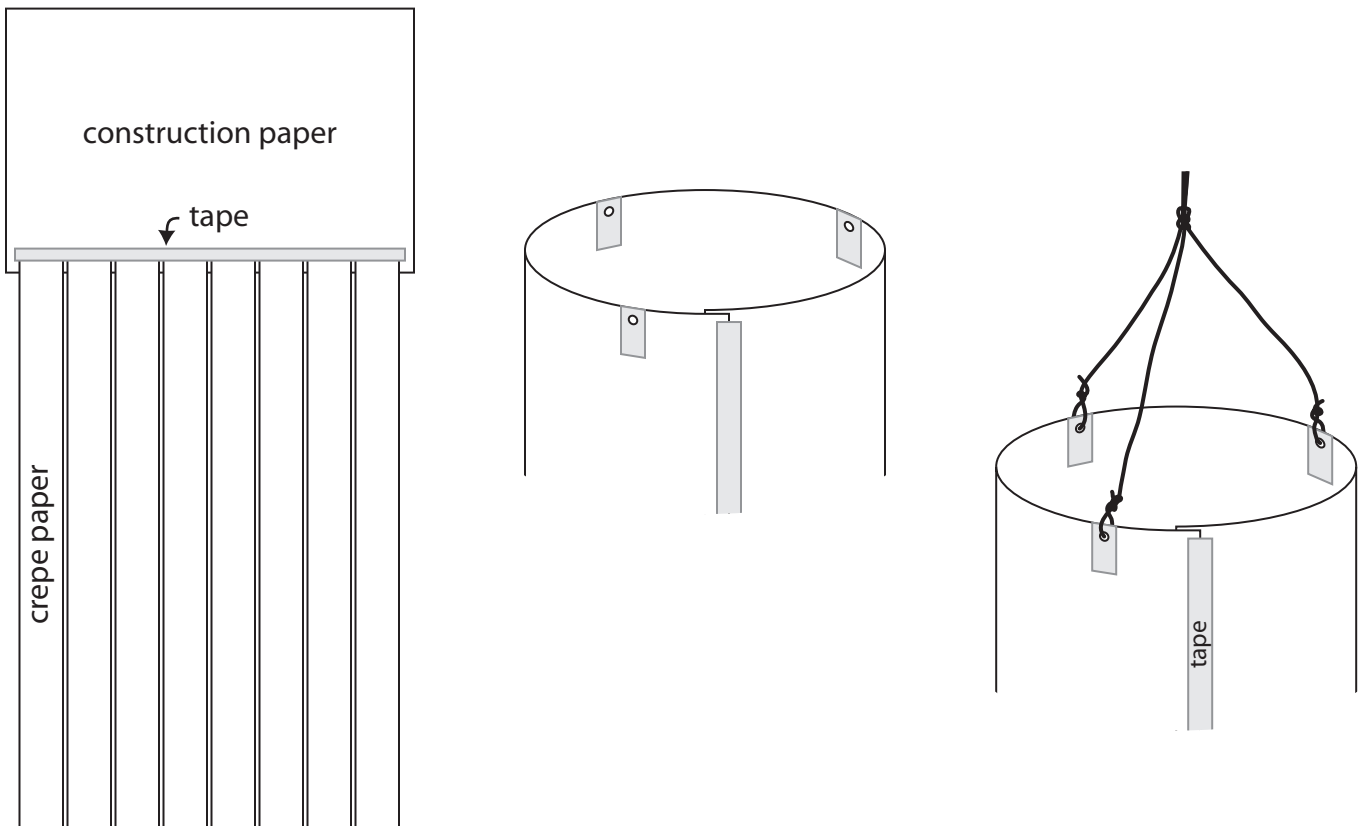
Making Windsocks

Materials

Item	Quantity	Notes
Classroom Supplies		
Construction paper, (11" x 17")	1 per child	To make windsocks.
Crayons, colored pencils or markers	1 set per group	To decorate windsocks.
Crepe paper streamers about 60 cm (24") long	8 per child	To attach to windsocks.
Hole puncher	1 per group	To make holes for windsocks.
Stapler (optional)	1 per group	To staple paper into cylinders.
Tape	1 roll per group	To attach streamers to windsocks and to reinforce holes.
Yarn, 45 cm (18") long	3 per child	To hold windsocks.

Directions

1. Decorate your construction paper.
2. Tape streamers along the bottom on the undecorated side.
3. Roll the paper into a tube. Staple or tape it together.
4. Mark three evenly spaced places around the empty edge with tape.
5. Punch holes through the tape.
6. String yarn evenly through each hole. Bring together and tie a knot.



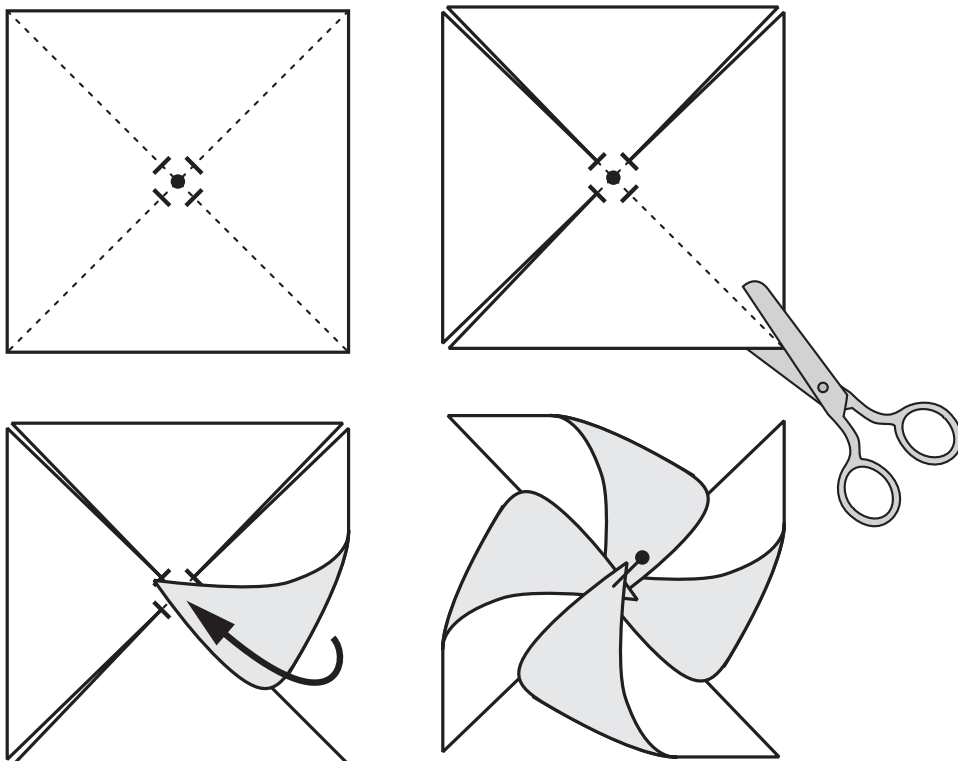
Making Pinwheels

Materials

Item	Quantity	Notes
Classroom Supplies		
Crayons, colored pencils	1 set per group	To decorate pinwheels, or markers
Paper, stiff, 15 cm (6 in) square	1 per child	To make pinwheel.
Pencil with eraser	1 per child	To hold pinwheel.
Plastic or wooden beads	1 per child	To put on pinwheel.
Rulers	1 per child	To measure pinwheels.
Scissors	1 pair per group	To cut pinwheel.
Straight pin	1 per child	To attach pinwheel to pencil.

Directions

1. Decorate your paper.
2. Fold the paper diagonally both ways.
3. Mark the center with a dot.
4. Measure and mark 2 cm from center dot along each crease line.
5. Cut along the crease lines to within 2 cm of the center point.
6. Holding the paper, take each right-hand corner in turn and bring it to the center point (let it overlap slightly).
7. Push the pin through all four layers and the paper behind.
8. Place a bead along the pin.
9. Stick the pin into the side of the pencil eraser.



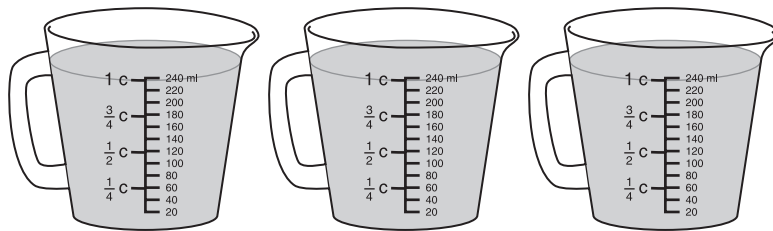
Making Soap Bubbles and Wands

Materials

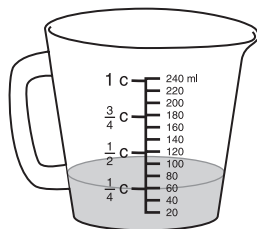
Item	Quantity	Notes
ExploraGear		
Jar, clear plastic with lid, 450 mL (16 oz)	1 per class	To mix soap bubble in.
Wire, 20 cm (8 in) long	1 per child	To make bubble wand.
Classroom Supplies		
Dish soap (Dawn® or Joy® brand)	60 mL (1/4 cup)	To make soap bubbles.
Glycerine (optional)	15 mL (1 Tbs)	To make soap bubbles.
Measuring cups	1 set	To measure soap bubble mix.
Measuring spoons	1 set	To measure soap bubble mix.
Water	700 mL (3 cups)	To make soap bubble.

Directions for Soap Bubble

- Put 700 mL (3 cups) of water in a jar.



- Add 60 mL (1/4 cup) of dish soap.



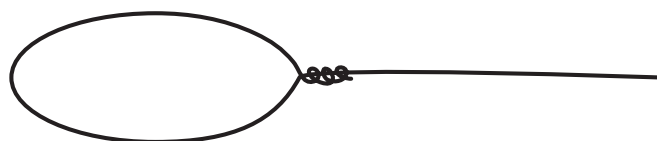
- Add 15 mL (1 tablespoon) of glycerine.



- Put the lid on the jar, and swirl or shake the mixture.
- Rinse your hands well.

Directions for Bubble Wand

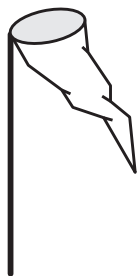
Bend your wire so it looks like this:



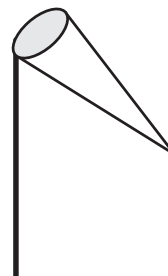
Wind Scale



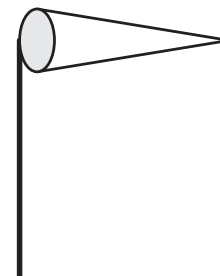
Calm



Gentle



Moderate



Strong

	Calm	Gentle	Moderate	Strong
Tree	Still	Leaves move	Branches move	Branches sway
Windsock	Limp	Flaps gently	Lifted by wind	Held high in wind
Pinwheel	Still	Spins slowly	Spins quickly	Blur of motion
Bubbles	Fall to ground	Drift and rise	Fly away fast	Zoom away
Motion to make this wind	Stand still	Walk	Run	Ride a bike
Speed	0-1.5 km/hr (0-1 mph)	1.5-8 km/hr (1-5 mph)	8-16 km/hr (5-10 mph)	16-40 km/hr (10-25 mph)

Name: _____ Date: _____

Family Link with Science

Weather News

Our class is studying **weather** in science class. We need to do the following activities:

With a family member, find an example of weather news on TV, on the radio, in a newspaper, or somewhere else.

Write down two new or interesting weather words below:

Bring your **weather words** to class.

Family Link with Science

Thermometers

Find out about thermometers in your home, such as food thermometers, fever thermometers, or weather thermometers. How are they used?

Name: _____ Date: _____

Family Link with Science

Freeze and Melt Water

In our weather unit for science class, we are studying how water can change from a liquid to a solid, and back to a liquid. Try these explorations with a family member at home:

Freezing

1. Place a small object in a plastic cup. Then fill the cup half full of water.
2. Use a marker or a piece of tape to mark the cup's water level.
3. Talk with a family member about what you think will happen when you put the cup in a freezer.
4. Place the cup in a freezer. Feel free to visit it from time to time to observe what is happening.
5. Leave the cup in the freezer until the water is completely solid.

Melting

1. Remove the cup from the freezer. What do you notice? Has the level of the water changed?
2. Pop the ice out of the cup onto a plate.
3. Take some time to explore how the ice looks and feels.

Name: _____ Date: _____

Family Link with Science



Breathe on a car window on a crisp, cold morning. What happens? Do you see frost or dew? You can get a feel for just how cold it is by the result you get.

Name: _____ Date: _____

Family Link with Science



Breathe on a car window on a crisp, cold morning. What happens? Do you see frost or dew? You can get a feel for just how cold it is by the result you get.

Name: _____ Date: _____

Family Link with Science

Wind Tools

We made some tools in science class for observing the wind: windsocks, pinwheels, and soap bubbles. Try these at home with a family member.

Name: _____ Date: _____

Family Link with Science

Wind Tools

We made some tools in science class for observing the wind: windsocks, pinwheels, and soap bubbles. Try these at home with a family member.