SNOW DAY SCIENCE · MISSION 2 GAME · TEACHER PAGE

Call It! cards

22 real Kentucky school mornings. Read the weather, say the chance of no school, flip the card to see what really happened.

SET UP

Print pages 2 to 7 on cardstock, single-sided. Cut on the dashes and fold on the dotted line: the answer ends up on the back.

PLAY

Everyone writes the chance of no school, 0 to 100%, on the Call It! game sheet (Mission 2). Then flip the card.

SCORE

Snow Points from the table on the game sheet: up to 100 a card. Saying 0% or 100% and being wrong scores 0, so honest chances win over many cards. Each card back shows the Radar's points too.

Whole class. Project the Call It! slides. One card per round: everyone writes a chance, then reveal.

Small groups. A deck of 22 per table. Take turns reading a card out loud; flip it after everyone writes a chance.

Bell ringer. One card on the board as students walk in. Reveal it at the end of class.

WHY IT WORKS

Students weigh several clues at once (snow, cold, ice, warnings, hilly roads) and learn to say a chance instead of a guess. Snow Points is the Brier score forecasters use, on a 100-point scale. The Radar's odds come from a blind test: the model never saw that winter.

ANSWER KEY

Card	District	Morning	Snow Day Radar said	Its points	What happened
#01	Fort Thomas	Jan 7, 2010	40%	84	School
#02	Boone County	Feb 10, 2010	80%	96	No school
#03	Elizabethtown	Feb 16, 2010	80%	36	School
#04	Mason County	Feb 16, 2010	80%	96	No school
#05	Russell	Dec 6, 2010	40%	84	School
#06	Boyd County	Dec 6, 2010	60%	64	School
#07	Owensboro	Jan 20, 2011	60%	84	No school
#08	Corbin	Jan 27, 2011	under 20%	99	School
#09	Green County	Jan 27, 2011	70%	51	School
#10	Woodford County	Jan 27, 2011	under 20%	99	School
#11	Robertson County	Jan 28, 2011	60%	84	No school
#12	Pendleton County	Feb 2, 2011	70%	51	School
#13	Clark County	Mar 11, 2011	under 20%	99	School
#14	Russellville	Jan 25, 2013	under 20%	19	No school
#15	Science Hill	Feb 1, 2013	under 20%	19	No school
#16	Garrard County	Dec 10, 2013	60%	84	No school
#17	Pike County	Feb 13, 2014	80%	96	No school
#18	Henderson County	Mar 5, 2015	80%	96	No school
#19	Campbell County	Jan 8, 2018	20%	36	No school
#20	Hardin County	Feb 12, 2018	20%	36	No school
#21	Owensboro	Feb 1, 2019	30%	51	No school
#22	Fairview	Jan 31, 2023	30%	51	No school

CALL IT! #01 · THURSDAY

Fort Thomas

January 7, 2010

Snow by 7 AM	**0.0 in**
Morning low	**10°F**
Snow already on the ground	**1.9 in**
Roads	**rolling or flat**

Winter Weather Advisory

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #01 · ANSWER

SCHOOL WAS ON



SNOW DAY RADAR SAID

40%: Real chance

Radar's Snow Points: **84**

A cold 10°F morning, but no new snow. The buses rolled.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #02 · WEDNESDAY

Boone County

February 10, 2010

Snow by 7 AM	**6.3 in**
Morning low	**8°F**
Snow already on the ground	**4.7 in**
Roads	**rolling or flat**

Winter Storm Warning

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #02 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

80%: Strong chance

Radar's Snow Points: **96**

Big snow: 6.3 inches by 7 AM and a Winter Storm Warning.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #03 · TUESDAY

Elizabethtown

February 16, 2010

Snow by 7 AM	**0.8 in**
Morning low	**15°F**
Snow already on the ground	**2.3 in**
Roads	**rolling or flat**

Winter Weather Advisory

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #03 · ANSWER

SCHOOL WAS ON



SNOW DAY RADAR SAID

80%: Strong chance

Radar's Snow Points: **36**

A surprise! Snow Day Radar said 80%, and the district stayed open. 80% is not 100%: on some mornings like this, the buses still roll.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #04 · TUESDAY

Mason County

February 16, 2010

Snow by 7 AM	**4.3 in**
Morning low	**18°F**
Snow already on the ground	**4.7 in**
Roads	**rolling or flat**

Winter Weather Advisory

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #04 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

80%: Strong chance

Radar's Snow Points: **96**

Big snow: 4.3 inches by 7 AM.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #05 · MONDAY

Russell

December 6, 2010

Snow by 7 AM	**0.1 in**
Morning low	**23°F**
Freezing rain overnight	**3 hours**
Snow already on the ground	**2.1 in**
Roads	**rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #05 · ANSWER

SCHOOL WAS ON



SNOW DAY RADAR SAID

40%: Real chance

Radar's Snow Points: **84**

3 hours of freezing rain overnight, and still the buses rolled. Ice is tricky: compare this card with #20, where the same clue closed schools.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #06 · MONDAY

Boyd County

December 6, 2010

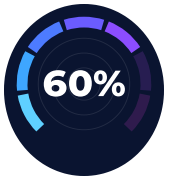
Snow by 7 AM	**0.0 in**
Morning low	**23°F**
Freezing rain overnight	**2 hours**
Snow already on the ground	**2.3 in**
Roads	**rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #06 · ANSWER

SCHOOL WAS ON



SNOW DAY RADAR SAID

60%: Better than even

Radar's Snow Points: **64**

2 hours of freezing rain overnight, and still the buses rolled. Ice is tricky: compare this card with #20, where the same clue closed schools.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #07 · THURSDAY

Owensboro

January 20, 2011

Snow by 7 AM	**0.0 in**
Morning low	**28°F**
Snow already on the ground	**0.1 in**
Roads	**rolling or flat**

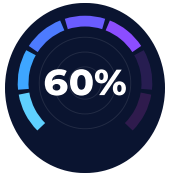
Winter Storm Warning

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #07 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

60%: Better than even

Radar's Snow Points: **84**

No snow yet at 7 AM, but a Winter Storm Warning was out. Districts sometimes close ahead of a storm that arrives during the day.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #08 · THURSDAY

Corbin

January 27, 2011

Snow by 7 AM	**0.8 in**
Morning low	**24°F**
Snow already on the ground	**0.1 in**
Roads	**rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #08 · ANSWER

SCHOOL WAS ON



SNOW DAY RADAR SAID

Under 20%

Radar's Snow Points: **99** (counted as 10%)

The snow stayed light, and the buses rolled.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #09 — THURSDAY

Green County

January 27, 2011

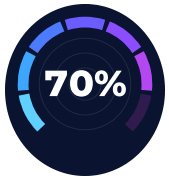
Snow by 7 AM	**1.6 in**
Morning low	**25°F**
Snow already on the ground	**1.3 in**
Roads	**rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #09 · ANSWER

SCHOOL WAS ON



SNOW DAY RADAR SAID

70%: Good chance

Radar's Snow Points: **51**

A surprise! Snow Day Radar said 70%, and the district stayed open. 70% is not 100%: on some mornings like this, the buses still roll.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #10 — THURSDAY

Woodford County

January 27, 2011

Snow by 7 AM	**0.7 in**
Morning low	**25°F**
Snow already on the ground	**1.3 in**
Roads	**rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #10 · ANSWER

SCHOOL WAS ON



SNOW DAY RADAR SAID

Under 20%

Radar's Snow Points: **99** (counted as 10%)

The snow stayed light, and the buses rolled.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #11 — FRIDAY

Robertson County

January 28, 2011

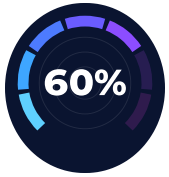
Snow by 7 AM	**1.6 in**
Morning low	**26°F**
Snow already on the ground	**1.9 in**
Roads	**rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #11 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

60%: Better than even

Radar's Snow Points: **84**

1.6 inches of new snow by 7 AM, but 1.9 inches were already on the ground. Old snow on back roads can be enough.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #12 — WEDNESDAY

Pendleton County

February 2, 2011

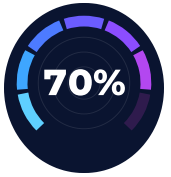
Snow by 7 AM	**0.0 in**
Morning low	**26°F**
Freezing rain overnight	**1 hours**
Snow already on the ground	**0.3 in**
Roads	**rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #12 · ANSWER

SCHOOL WAS ON



SNOW DAY RADAR SAID

70%: Good chance

Radar's Snow Points: **51**

A surprise! Snow Day Radar said 70%, and the district stayed open. 70% is not 100%: on some mornings like this, the buses still roll.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #13 · FRIDAY

Clark County

March 11, 2011

- Snow by 7 AM — **0.5 in**
- Morning low — **29°F**
- Roads — **rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #13 · ANSWER

SCHOOL WAS ON



SNOW DAY RADAR SAID
Under 20%
Radar's Snow Points: **99** (counted as 10%)

The snow stayed light, and the buses rolled.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #14 · FRIDAY

Russellville

January 25, 2013

- Snow by 7 AM — **0.0 in**
- Morning low — **24°F**
- Freezing rain overnight — **2 hours**
- Roads — **rolling or flat**

Winter Weather Advisory

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #14 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID
Under 20%
Radar's Snow Points: **19** (counted as 10%)

A surprise! The odds were under 20%, but 2 hours of freezing rain overnight was enough for this district to close. Ice is tricky.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #15 · FRIDAY

Science Hill

February 1, 2013

- Snow by 7 AM — **0.5 in**
- Morning low — **15°F**
- Roads — **rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #15 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID
Under 20%
Radar's Snow Points: **19** (counted as 10%)

A surprise! The odds were under 20%, but the district closed. Not every reason shows up in the weather data.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #16 · TUESDAY

Garrard County

December 10, 2013

- Snow by 7 AM — **0.0 in**
- Morning low — **24°F**
- Snow already on the ground — **1.3 in**
- Roads — **rolling or flat**

Winter Weather Advisory

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #16 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID
60%: Better than even
Radar's Snow Points: **84**

No new snow by 7 AM, but 1.3 inches were already on the ground and a Winter Weather Advisory was out. Old snow on back roads can be enough.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #17 · THURSDAY

Pike County

February 13, 2014

Snow by 7 AM	**6.3 in**
Morning low	**18°F**
Snow already on the ground	**1.3 in**
Roads	**steep and hilly**

Winter Storm Warning

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #17 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

80%: Strong chance

Radar's Snow Points: 96

Big snow: 6.3 inches by 7 AM and a Winter Storm Warning.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #18 · THURSDAY

Henderson County

March 5, 2015

Snow by 7 AM	**7.6 in**
Morning low	**17°F**
Snow already on the ground	**0.1 in**
Roads	**rolling or flat**

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #18 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

80%: Strong chance

Radar's Snow Points: 96

Big snow: 7.6 inches by 7 AM.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #19 · MONDAY

Campbell County

January 8, 2018

Snow by 7 AM	**0.0 in**
Morning low	**9°F**
Freezing rain overnight	**2 hours**
Snow already on the ground	**0.7 in**
Roads	**rolling or flat**

Winter Weather Advisory

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #19 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

20%: Long shot

Radar's Snow Points: 36

Look past the snow: 2 hours of freezing rain overnight and a 9°F morning. Ice and cold can close schools without much snow.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #20 · MONDAY

Hardin County

February 12, 2018

Snow by 7 AM	**0.1 in**
Morning low	**23°F**
Freezing rain overnight	**2 hours**
Roads	**rolling or flat**

Winter Weather Advisory

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #20 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

20%: Long shot

Radar's Snow Points: 36

Ice! 2 hours of freezing rain overnight can glaze every road, even with little or no snow. 20% is not zero: some mornings like this do close, and this was one.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #21 · FRIDAY

Owensboro

February 1, 2019

Snow by 7 AM	**0.0 in**
Morning low	**9°F**
Snow already on the ground	**0.3 in**
Roads	**rolling or flat**

Winter Weather Advisory

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #21 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

30%: Small chance

Radar's Snow Points: 51

Look past the snow: the morning low was 9°F. Bitter cold can close schools on its own, and Snow Day Radar only gave it 30%.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! #22 · TUESDAY

Fairview

January 31, 2023

Snow by 7 AM	**0.0 in**
Morning low	**26°F**
Freezing rain overnight	**7 hours**
Roads	**rolling or flat**

Winter Weather Advisory

Your call: what's the chance of no school? 0 to 100%

FOLD

CALL IT! #22 · ANSWER

NO SCHOOL



SNOW DAY RADAR SAID

30%: Small chance

Radar's Snow Points: 51

Ice! 7 hours of freezing rain overnight can glaze every road, even with little or no snow. 30% is not zero: some mornings like this do close, and this was one.

Real morning: KDE records + weather data. Odds from a blind test.

CALL IT! · MAKE YOUR OWN

Fill it in from tonight's forecast. Flip it tomorrow morning.

District _____

Date _____

Snow by 7 AM _____ in

Morning low _____ °F

Freezing rain _____ hours

Alerts _____

Your call: chance of no school ____%

FOLD

CALL IT! · TOMORROW

What happened?

☐ **School** ☐ **Delay**

☐ **No school** ☐ **Virtual**

Snow Day Radar said _____ %

My Snow Points _____

Why?

_____

_____

CALL IT! · MAKE YOUR OWN

Fill it in from tonight's forecast. Flip it tomorrow morning.

District _____

Date _____

Snow by 7 AM _____ in

Morning low _____ °F

Freezing rain _____ hours

Alerts _____

Your call: chance of no school ____%

FOLD

CALL IT! · TOMORROW

What happened?

☐ **School** ☐ **Delay**

☐ **No school** ☐ **Virtual**

Snow Day Radar said _____ %

My Snow Points _____

Why?

_____

_____