





NAME: _____ DATE: _____




STUDENT #: _____ TEACHER: _____

Making the Decision Event #1: Student Sheet #3

Shade each box according to the forecast and conditions for each category. Create a Tweet summarizing each forecast. Remember that you are limited to 140 characters including spaces with your Tweet.

Forecast Issued	Forecasted Weather Conditions <i>Green</i> —Dry <i>Yellow</i> - Rain <i>Red</i> - Frozen Precipitation	Temperature <i>Green</i> —40° or higher <i>Yellow</i> —Mid-to-upper 30's (33-39°) <i>Red</i> —32° or less	Probability of Precipitation <i>Green</i> - Less than 40% <i>Yellow</i> - 40% to 70% <i>Red</i> -Greater than 70%	Frozen Precipitation Amount <i>Green</i> —None, or no accumulation <i>Red</i> - Measurable accumulation	Watch/warning/ advisories <i>Green</i> —none <i>Yellow</i> —Advisory <i>Red</i> —Watch or Warning
48 hours					
					
40 hours					
					
32 hours					
					
24 hours					
					

Winter Weather Challenge 6DMS

16 hours					
					
8 hours					
					
Decision must be made					
					

1. Did you decide that school should remain open or be closed? Why?

2. How did the Decision Matrix influence your decision?

3. How did the hourly temperature and precipitation probability forecast influence your decision?

NAME: _____ **DATE:** _____

STUDENT #: _____ **TEACHER:** _____

Hourly Temperature and Precipitation Forecast Event #1: Student Sheet #4

Shade each box according to the forecast and conditions for each category.

Time	Temperature <i>Green</i> —40° or higher <i>Yellow</i> —Mid-to-upper 30's (33-39°) <i>Red</i> —32° or less	Probability of Precipitation <i>Green</i> - Less than 40% <i>Yellow</i> - 40% to 70% <i>Red</i> -Greater than 70%	Overall <i>Green</i> - If both boxes are green <i>Yellow</i> : If both boxes are yellow or green/yellow <i>Red</i> : If both boxes are red or yellow/red
4:00 a.m.	33	60	
5:00 a.m.	33	60	
6:00 a.m.	32	60	
7:00 a.m.	32	60	
8:00 a.m.	32	60	
9:00 a.m.	32	70	
10:00 a.m.	32	80	
11:00 a.m.	34	90	
12:00 p.m.	35	100	
1:00 p.m.	37	100	
2:00 p.m.	34	90	
3:00 p.m.	32	70	
4:00 p.m.	32	70	
5:00 p.m.	32	70	