

SLOUGH SCHOOL / WIND

In the Slough School Beaufort Wind Scale video, you'll see how the wind is blowing on Sept 8th at Whitaker Ponds Nature Park, and evidence of what happened the day before on Sept 7th.

Tips:

"Gale" means really strong wind

"Knots" is just another unit of measuring speed (like miles per hour) that sailors use - you can ignore it!

What do you see **Right Now: Sept 8th, 2020?**

Force	Speed		Land Conditions
	knots	mph	
0	<1	<1	Calm, smoke rises vertically
1	1-3	1-3	Light air, direction of wind shown by smoke drift only
2	4-6	4-7	Light breeze, wind felt on face, leaves rustle, vanes moved by wind
3	7-10	8-12	Gentle breeze, leaves and small twigs in constant motion, wind extends light flag
4	11-16	13-18	Moderate breeze, raises dust, loose paper, small branches move
5	17-21	19-24	Fresh breeze, small trees in leaf begin to sway
6	22-27	25-31	Strong breeze, large branches in motion, umbrellas used with difficulty
7	28-33	32-38	Near gale, whole trees in motion, inconvenience felt walking against the wind
8	34-40	39-46	Gale, breaks twigs off trees, impedes progress
9	41-47	47-54	Strong gale, slight structural damage occurs
10	48-55	55-63	Storm, trees uprooted, considerable damage occurs
11	56-63	64-73	Violent storm, widespread damage
12	64+	74+	Hurricane, extreme destruction

What do you see that happened **Yesterday: Sept 7, 2020?**

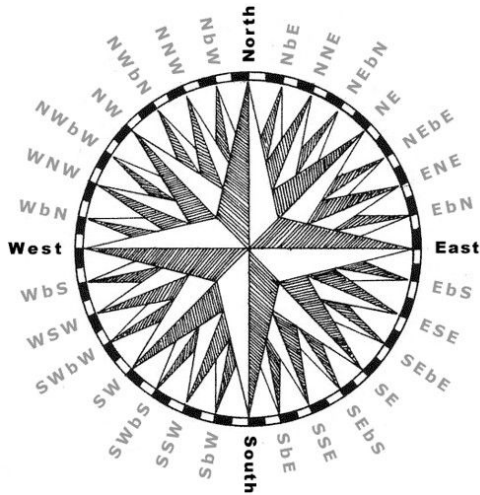
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Bonus questions:

1. If the leaves on the plants are pointing toward the **Southwest**, what direction is the wind coming from?



2. True or False: It's a really safe and good idea to hang out in a Cottonwood Forest during a windstorm

TRUE

FALSE

Why do you think that?

3. Based on what you saw in the video: How **FAST** was the wind blowing at Whitaker Ponds on **September 8th**?

- a. Force 5: 19-24 mph
- b. Force 6: 25-31 mph
- c. Force 7: 32-38 mph
- d. Force 8: 39-46 mph

4. Based on what you saw in the video: How **FAST** was the wind blowing at Whitaker Ponds the day **BEFORE** on **September 7th**?

- a. Force 8: 39-46 mph
- b. Force 9: 47-54 mph
- c. Force 10: 55-63 mph
- d. Force 11: 64-73 mph

5. True or False: Mallard ducks are having a good time

TRUE

FALSE

Why do you think that?