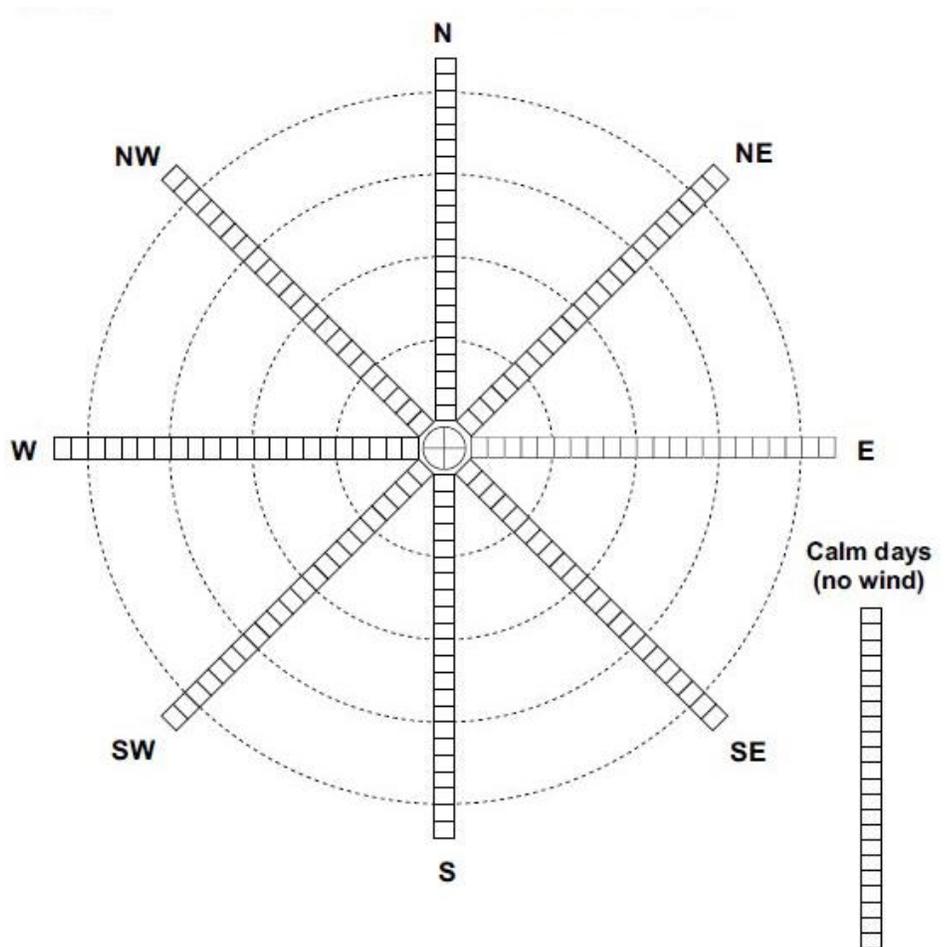PLEASE SUBMIT YOUR WORK THROUGH GOOGLE CLASSROOM

1. **Reading Material:** on the school website, on our class homework page, find and study **"Wind Rose" (or follow the direct link in the Classroom)**.

2. **You are designing an <u>airport layout</u>. You have the following data regarding the <u>winds in the area</u>** (wind *frequency* was measured, that is *how often a wind from a certain direction was observed*; **no data for wind speed is available):**

N	17 %
NE	11 %
E	6 %
SE	3 %
S	10 %
SW	7 %
W	15 %
NW	22 %
Calm	9 %
Total	100 %

QUESTIONS:

a) **<u>Create the WIND ROSE</u> by filling in the template above**
(*make one box equal to 1%, <u>zero is at the center</u>; extend outwards if needed; since you have no data on the wind speed, use single color when filling in the boxes*)

b) **<u>Which direction</u> would you choose for the <u>primary runway</u>?**