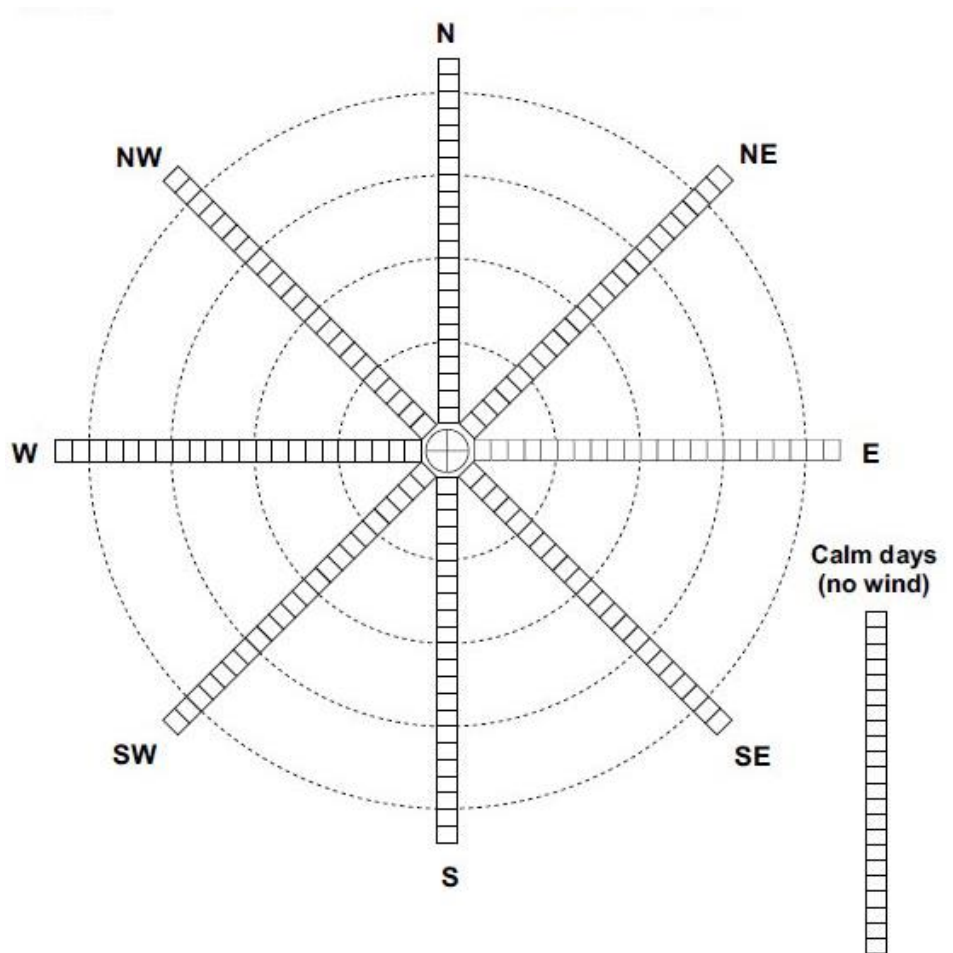PLEASE SUBMIT YOUR WORK THROUGH GOOGLE CLASSROOM

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>**?**