

Vectors in English

1. Watch the **videos** (Khan Academy - url classroom)

- Recognizing vectors
- Finding the components of a vector
- (Composing the components of vectors)
- Practice: Components of vectors

↳ Take some screenshots and upload them.

2. Review the **vocabulary** related to vectors

axis

decomposing a vector into its components

point

drawing a line

Coordinate

adding vectors

vector

subtracting vectors

↳ graphically
using components

Component

multiplying vectors by a scalar (number)

horizontal

vertical

magnitude (length)

direction

straight arrow

start at a point - initial point

end at a point - terminal point

WORK IN GROUPS

3. Create five sentences using at least two words from the vocabulary in every one.

For example: We can use vectors to add forces in Physics.

Upload the five sentences.

4. Explore and practice **adding, subtracting** and **multiplying by a number** vectors.

Use the simulation from phet.colorado.edu (url - classroom)

Take some screenshots and upload them.

5. Go down to the **playground** and draw on the ground:

a. A coordinate system (two perpendicular axis)

b. Listen to your teacher's instructions and be quick!

Take pictures during your schoolmates drawing and upload these pictures.

