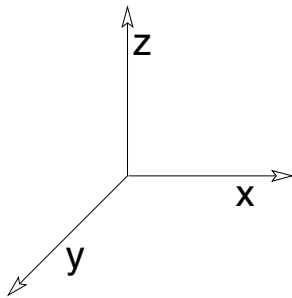
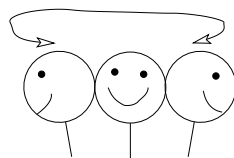


Some people have a hard time understanding about **roll**, **pitch**, and **yaw**. Here is a picture that may help:

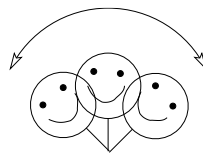


- *yaw* refers to the direction in which the body is facing i.e., its orientation within the xy plane, or the rotation of a body around the z axis
- *roll* refers to whether the body is upside-down or not i.e., its orientation within the yz plane, or the rotation of a body around the x axis
- *pitch* refers to whether the body is tilted i.e., its orientation within the xz plane, or the rotation of a body around the y axis

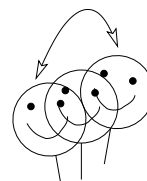
Here are some more pictures that may help:



yaw
like when you shake your head "no"



roll
like when your neck hurts and you roll your head to the left and right in order to stretch out your neck...



pitch
like when you nod your head "yes"