

How to Set up a Survey

What is Surveying?

the technique, profession, art and science of determining the terrestrial or three-dimensional positions of points and the distances and angles between them.



Tools We have:

Transit Level



Tripod



Grade Rod/
Measuring Stick



1. Put Transit
Level on
Tripod



2. Orientate the level in line with two of the three knobs on its base. Then, twist the two knobs until the bubble shows level (second picture)



3. Twist the transit level 90° so its “line” intersects with the 3rd knob. Adjust **just the 3rd knob** to make the bubble level



4. Spin the transit level around 360° to ensure it is level (the bubble stays in the middle)





4. Spin the transit level around 360° to ensure it is level (the bubble stays in the middle). Your transit is now level. Enjoy responsible

5. Put everything back (take off the transit and put it back in its box and fold up the tripod & measuring stick)

- Tomorrow we will talk about how this tool is useful. The goal today is just to understand how to set it up correctly