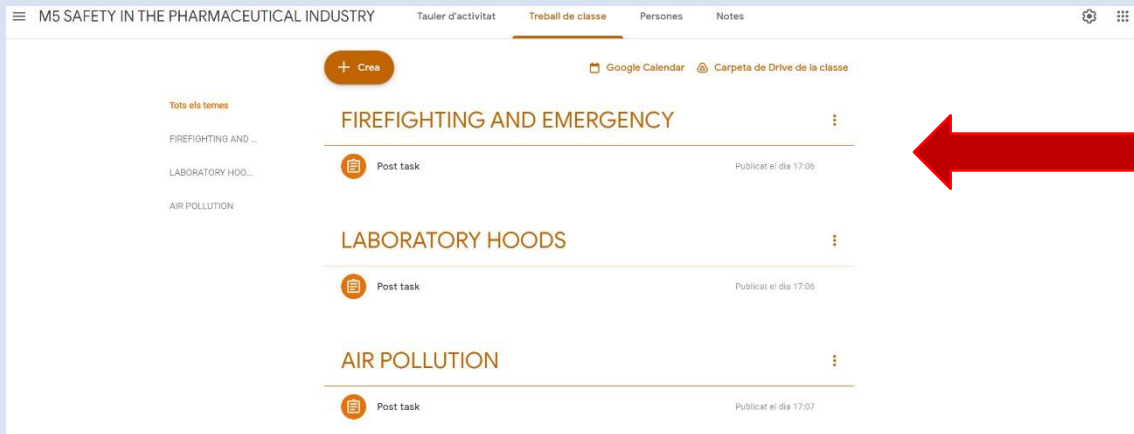


# Firefighting and emergency elements in a chemistry laboratory

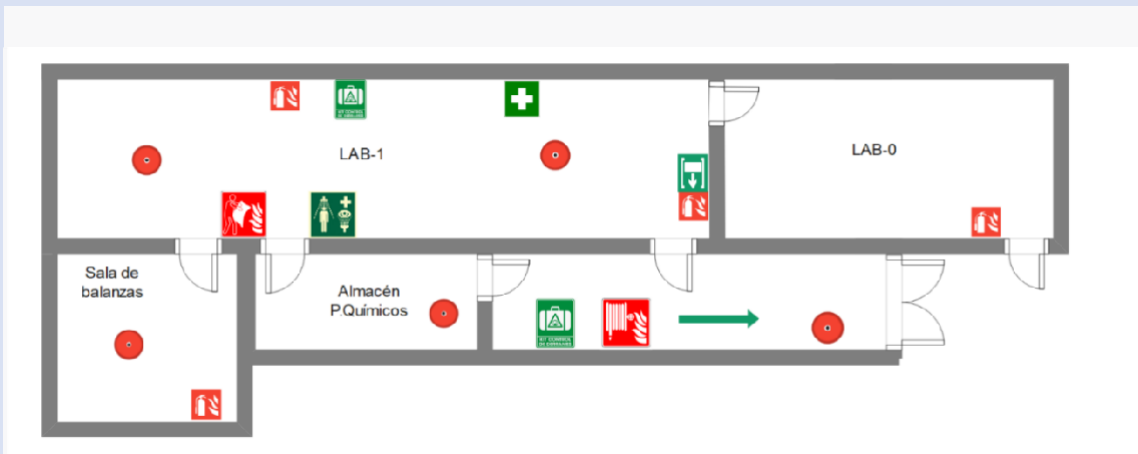
In groups of 4, answer the following questions and prepare a power point presentation. Once the activity is done, you must turn it in the classroom of the subject!

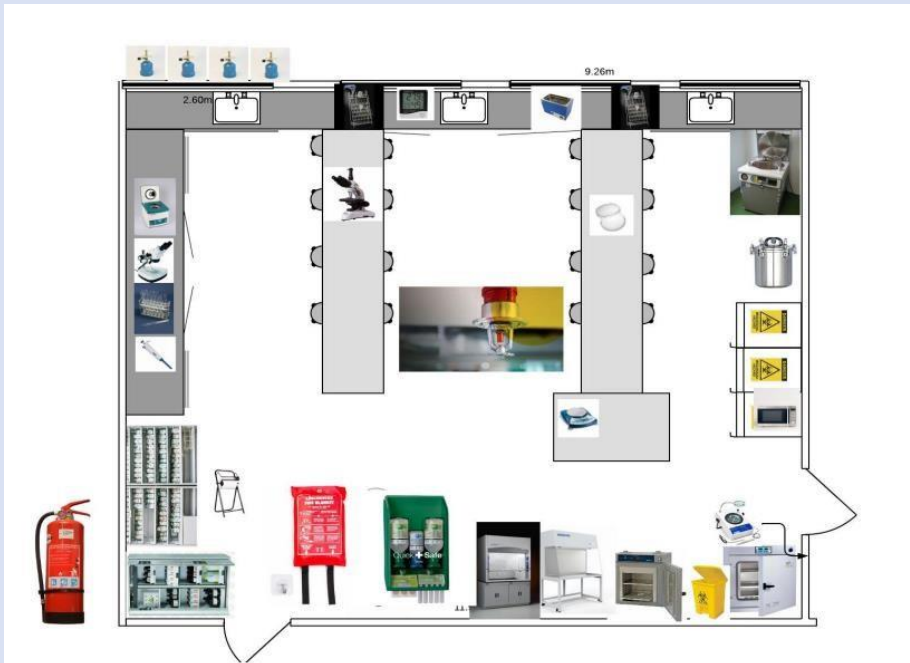


1- Draw a map of a laboratory floor and its surroundings marking the location and signposting:

1. Firefighting elements.
2. Emergency elements (eye wash, showers, spill kit...).

Here you have some map examples:





Here you have the link to some plan design programs that you can use, as well as video tutorials of them on Youtube.

<http://www.floorplanner.com>  
<https://youtu.be/GJAZUVg8hNc>

<https://planner5d.com/es>  
<https://youtu.be/BUVvYAMjfA8>

**2- Make an small inventory of the firefighting elements found in the laboratory: fill in a box for each element with the following information:**

1. Element.
2. Location.
3. Technical characteristics (class or type of equipment, specifications, materials...)
4. Date of last revision.
5. Minimum periodicity of review by rule.
6. Review expiry date.
7. Company responsible for maintenance.



3-Number the possible risks of fire in the laboratory and the type of fire that could be generated (minimum 3), indicate what type of fire extinguisher could be controlled with. Assess each risk found with this table and order them from highest to lowest risk.

Parameter	Numeric value	Interpretation
Probability	1	Unlikely
	2	Possible
	3	Very likely
Damage	1	Not severe
	2	Serious
	3	Very serious
Detection	1	Easily detectable
	2	Detectable
	3	Hardly detectable

4-Asses for each risk listed in point 3 whether the firefighting elements are sufficient and well located (proximity, location, placement). Make a conclusion about firefighting in laboratories in our institute based on the information and assessments you have made.

