

5S Demonstrator gameplay- Game scenarios for lean activities

Activity 1- Scenario: Pharmacy

Learning Objective

This activity aims at familiarizing higher- education students with the 5S lean process by performing a new employee working at a pharmacy warehouse. They improve their entrepreneurial and critical thinking inherent in lean design, by managing the warehouse more efficiently and delivering the objects to the clients in the counter faster.

Basic guidelines for instructors:

1. Introduce warehouse pharmacy
2. Explain the need for effective sorting of medicines
3. Explain the criteria of classifying drug boxes (expiry/ concentration date)
4. Let the students suggest ideas



<i>Suggested collaborative activity</i>	<i>Suggested tasks for effective management and delivery of medicines (5S)</i>
“Supply each customer with the correct items before they leave. Organise the warehouse and deliver the proper medicines to the clients in the counter. Be careful of the expiration and concentration dates.”	<ol style="list-style-type: none"> 1. Separate the useful from the useless items 2. Sort items so as to reach them easily – Set frequently used items closer to the workplace 3. Clean on a regular basis to maintain standards and identify defects (dirty container causes) 4. Repeat steps 1,2,3 and return everything in proper location after use 5. Apply in different circumstances (not used)
<i>Key concepts for succeeding</i>	<i>Suggested questions for discussion</i>
<ol style="list-style-type: none"> 1. Find the correct object 2. Deal with it quickly 	<ol style="list-style-type: none"> 1. What’s the two key concepts of the game? 2. What’s the first step of managing a warehouse? What about the other steps? 3. How can you explain the procedure of managing the pharmacy warehouse in your own words? 4. Does the level of difficulty decrease when applying the 5S process?

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Activity 2- Scenario: Desktop arranging

Learning Objective

This activity aims at familiarizing higher- education students with the 5S lean process by arranging a desktop. The player works as a company administrative staff. The player has to find a certain icon corresponding to an application or file. Students improve their lean skills by understanding the importance of the 5S lean process.

Basic guidelines for instructors:

1. Introduce the OS desktop
2. Explain the meaning of icons (files, images etc.)
3. Let the students explain the necessity of a sorted desktop
4. Let the students suggest ideas about the criteria of sorting



<i>Suggested collaborative activity</i>	<i>Suggested tasks for effective OS desktop arranging (5S)</i>
<p>"You work at a company as an administrative staff. Find a certain icon corresponding to an application or file. Your desktop is cluttered with icons. Sort the icons to improve your desktop order."</p>	<ol style="list-style-type: none"> 1. Separate the useful from the useless items 2. Sort items so as to reach them easily – Set frequently used items closer one another 3. Clean on a regular basis to maintain standards by creating folders with related names 4. Repeat steps 1,2,3 and locate everything new in proper place after use 5. Apply in different circumstances (not used)
<i>Key concepts for succeeding</i>	<i>Suggested questions for discussion</i>
<ol style="list-style-type: none"> 1. Find the correct object 2. Deal with it quickly 	<ol style="list-style-type: none"> 1. What's the two key concepts of the game? 2. What's the first step of arranging the desktop? What about the other steps? 3. How can you explain the procedure of arranging the desktop in your own words? 4. Does the level of difficulty decrease when applying the 5S process? 5. Was the way you suggested earlier successful as compared with 5S? Why?

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Activity 3- Scenario: Scrapyard

Learning Objective

This activity aims at familiarizing higher- education students with the 5S lean process by managing a scrapyard. The player is a scrapping operator and has to organise the items while clients ask for some pieces. The player improves lean skills, critical thinking about items classification and entrepreneurial skills, as well.

Basic guidelines for instructors:

1. Introduce the scrapyard workplace
2. Explain the procedures
 - Separating items
 - Storing items
 - Receiving clients' requests
3. Let the students suggest ideas about the criteria of sorting



<i>Suggested collaborative activity</i>	<i>Suggested tasks for effective management of a scrapyard (5S)</i>
<p>"You work as a scrapping operator. Try to separate different items, remove unnecessary ones, store them by manufacturer and year, clean the scrapyard and receive requests of pieces from clients"</p>	<ol style="list-style-type: none"> 1. Separate the useful from the useless items 2. Sort items by manufacturer and year 3. Clean on a regular basis to maintain standards 4. Repeat steps 1,2,3 and keep it sorted 5. Apply in different circumstances (not used)
<i>Key concepts for succeeding</i>	<i>Suggested questions for discussion</i>
<ol style="list-style-type: none"> 1. Find the correct object 2. Deal with it quickly 	<ol style="list-style-type: none"> 1. What's the two key concepts of the game? 2. What's the criteria of sorting the old broken cars, motors, lights, seats, batteries, etc.? 3. How can you explain the procedure of managing the scrapyard in short? 4. Does the level of difficulty decrease when applying the 5S process?