

## Skid Steer Loader Volunteer Script

- Operating Heavy Equipment is not easy, and with this being your first experience, you can expect challenges. Today you're going to learn how to operate a Skid Steer Loader (show model).
- Ask students
  - Have you seen one of these before? Where do you think these might be useful?
- The simulators you are on today are the real ones used to certify adults on how to operate heavy equipment.
  - To be certified adults must complete over 140 hours on the simulator, with passing scores of precision, safety, and speed. Today we only have 20 minutes, so we probably won't get you certified just yet 😊

Each of you has a map sitting at your workstation (show map) that demonstrates what your joysticks do. The left is for driving, the right controls the arm. **IMPORTANT: For today's demonstration you only need to move your joysticks forward, backward and side to side, no other joystick functionality will be needed since we have a short time together.**

Let's start by getting familiar with our joysticks. On your screen using your computer mouse, please highlight the "Controls Familiarization" text and then select "Launch Module" below.

You will now see a command at the top of the screen. The system measures how quickly and accurately you follow that command. Once you do so, you'll see a screen pop up with your score. To get a new command, squeeze the trigger on your LEFT joystick. I'll give you all a few moments to get familiar with your controls.

Now ... let's try something different. Please use your computer mouse to close this window, then close the session list that pops up.

In this next simulation you're going to learn to drive your Skid Steer Loader. Please select "Positioning" on your list and then select Launch Module. Once you do so, please take your hand off the joysticks (ie – Hands Up everyone 😊 )

When the module loads, you'll now see a bird's eye view of an obstacle course. You're going to drive your Skid Steer through the course (using only the LEFT joystick). The goal is to complete the course quickly and **SAFELY**. The cones/pylons, obstacles, etc. could represent people on your job site and keeping everyone safe is very important. You must turn every arrow you cross **GREEN**. If an arrow does not turn green it means you missed something, and you'll have to go back). When you're ready to begin – squeeze your trigger and OFF YOU GO! (Give them a few minutes to complete the course).

Once most are done with the course, say something like *So ... driving this thing is fun, right? BUT ... that's not what this equipment is designed to do. We've got to get some work done!"*

Close this window, close the session list and select "Stockpiling 1 – Level Ground". In this module you're going to have a bucket on your Skid Steer Loader, and you've got to move rocks. This is challenging because rocks are roly-poly. Once you're ready – squeeze that trigger and get some rocks from one area to the other. (Give them a few minutes to do so). Then say something like "Has everyone moved at least one rock?" It's ok if they haven't.

OK – let's try something else. Close the window; close the session list, now select "Load Handling 1 – Level Ground". Now instead of a bucket, you've

got a forklift on your Skid Steer Loader. Your goal is to move pallets of materials from place to place (like color to like color; i.e. blue boxes to blue squares). A forklift is 2 points, rather than a large scoop so it may be more challenging to pick things up. Give them time to try this module out.

IF time allows or they seem bored on this level, you can say something like “OK ... dealer’s choice” and let them select what module they want to try next – Slope Driving, etc. Some want to do the Obstacle Course again. Let them play and enjoy the experience.

When time is up – “Thanks for coming and I hope you enjoyed being a Skid Steer Loader operator today”.

### **More information for volunteers to know**

At some point – one of your students may encounter a “fatal error” – ie they dropped a rock on their Skid Steer, or their load fell off the forks. This is a good teaching moment. This is a good time to call everyone’s attention to this message. Ask them if they know what a “fatal error” is? Now, you can reemphasize the importance of SAFETY when operating this equipment. You can say something like “it’s ok – that’s why we practice on SIMS, not in real Skid Steers. Good news – if you squeeze your trigger, you’ll be brought back to life to try again”. This is a good way to add a bit of humor to the demo.

### **Stockpiling 1**

- Beep horn (Squeeze trigger to begin)
- Locate rock pile and red square to dump (colored border on the ground and floating above)
- To load rocks:
  - Move forward.
  - Lift arm lowers to scoop rocks as you move forward, tilt fork down until you see gold lines as a guideline. Move forward till you see rocks in the bucket.
  - Lift arms rise.
  - Reverse. Move toward dumping area. Once there, watch for the green line for guideline, bucket dump.
  - Repeat as necessary.
  - X-close out of session

## Load Handling 1

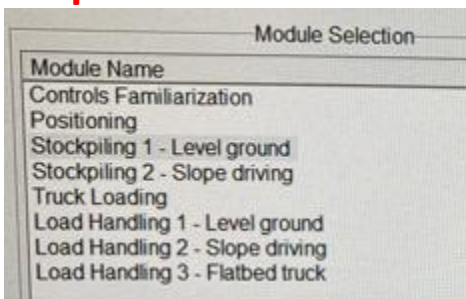
- There are several loads and load targets. They are color coded.
- Pickup each load and place in corresponding color target.
  - Lift arms lower. Adjust arms to slide into the lowest section of the pallet. Move forward until arms are completely in the lower section of the pallet.
  - Lift arms raise, carry to landing zone and lift arms lower into target. Notice, 2 pallets need to fit in each target. (watch for gold lines to help you line up). Lift arms raise, then reverse.
  - Repeat as necessary.
  - X-close out of session

## STAFF Information- Skid Steer Loader

To turn on simulators, log into each computer.

- ☐ Username-Trades
- ☐ Login- simlog (all lower case)
- ☐ Check to see that sound is on to level \_\_\_\_\_
- ☐ Double click – Simlog Skid Steer Loader
- ☐ Click – Proceed without login
- ☐ Select category “Positioning” module and launch

## Helpful Hints:



## Student Steps

1. Controls Familiarization
2. Positioning
3. Students Select:
  - a. Stockpiling 1 – level ground
  - b. Load Handling 1 – level ground
4. Any other option they'd like to try with time available