

Block rules

This is an exercise that stresses the importance of clear work instructions.

Need three volunteers

- One to read work instructions
- One to follow first set of instructions
- One to follow second set of instructions (exit to lobby)

Volunteer reading the work instruction:

- Read the instructions as is, without further clarification.
- You may repeat the step as many times as needed.

Volunteers following the work instruction:

- Face away from the screen and DO NOT PEAK.
- With the provided components (aka legos), assemble this highly complicated and mission sensitive structure that was fully designed and assembled by an 8 year old, in accordance with the instructions read to you.

Mission: Assemble the structure in the same manner as the picture that the audience will see

After 1st:

Thoughts – did we set the worker up to succeed?

What if this was the assembly of an explosive device

See issues with work control documents and/or work procedures

Possible HPI Tools:

Self-checking

Peer-checking

Dry run

Post job-review

My thoughts:

Difficult to prepare thorough work instructions

Had mult iterations of just this

Good to have practice runs and reviews.

Communication important

1st Block instructions

Put green block down first

Stack yellow block on green

Next is purple

Then three blues in a row

Then green

And two reds

Purple

And last orange

2nd Block instructions

Definitions:

- **Nodule** is the nob(s) on each structural component (aka – lego)
- **In line with lower block** means that the sides of the top block is flush with the bottom block with no exposed nodules

Instructions:

- Put the lime green block down first.
- Next stack the only yellow block on top of the lime green block, in line with lime green block.
- Next stack the purple block with three nodules on top of the yellow block leaving one exposed nodule on the left side (when looking at the stack).
- Next stack the light blue block with three nodules on top of the purple block, in line with the purple block.
- Next stack the only dark blue block on top of the light blue block leaving one exposed nodule on the left side (when looking at the stack).
- Next stack the only light blue block left on top of the dark blue block, in line with the dark blue block.
- Next stack the only green block left on top of the light blue block, in line with the light blue block.
- Next stack the red block that doesn't have a curved edge on top of the green block, in line with the green block.
- Next stack the red block with the curved edge on top of the other red block in line with the non-curved red block:
 - The curved edge should overhang the structure facing you;
 - Line up the top nodules of the curved block with nodules on top of the other red block;
- Next stack the only purple block left on top of the curved edge red block leaving one nodule exposed on the right side of the stack (when looking at the stack).
- Next stack the only block remaining, the orange block on top of the purple block, in line with the purple block.