

Now that you have developed a foundation knowledge base of how simple machines function and how to assemble them individually you will need to know how to apply them in a situation where you are confronted by a problem. In this assignment, you will take a 2D or 3D object and create a series of actions that represent the verbs

you chose from Richard Serra’s list of verbs provided. The solution to how you recreate the three selected verbs showcasing the desired designed object by utilizing any combination of simple machines will be entirely up to you. Although, you will need to demonstrate at least three simple machines in each of the complex machine prototypes for each of the verbs.

Instructions

1. Review the verb list to the right of the page and select three to demonstrate.

2. For each of your verbs, chose three of the simple machines to convey the verbs through a series of movements and actions that you will apply to your digitally designed and fabricated object.

You have three options:

- A. Choose your laser cut design from module two
- B. Choose your 3D printed object from module three
- C. Choose a completely new design or object

3. After selecting your verbs and simple machines draft your prototypes on paper.

You have two options:

- A. Use only the parts provided to you
- B. Design and fabricate additional parts

4. Once you are satisfied with your drafted prototypes it is time to begin assembling them. Move on to the next assignment with your most successful complex machine design.

(proceed to M4A3)

Richard Serra’s List of Verbs

- | | | |
|---------------|---------------|---------------|
| to bend | to hook | to mark |
| to crumple | to collect | to modulate |
| to split | to heap | to erase |
| to remove | to repair | to dapple |
| to open | to surfeit | to chip |
| to spill | to encircle | to drop |
| to lift | to dig | to disarrange |
| to flood | to join | to knot |
| to support | to hinge | to curve |
| to hang | to light | to fire |
| to bundle | to bounce | to swirl |
| to arrange | to twist | to spread |
| to distribute | to tear | to tighten |
| to surround | to sever | to scatter |
| to wrap | to differ | to pair |
| to weave | to splash | to enclose |
| to bond | to flow | to cover |
| to dilute | to impress | to bind |
| to stretch | to rotate | to laminate |
| to shorten | to suspend | to expand |
| to shave | to grasp | to distill |
| to cut | to gather | to spray |
| to simplify | to discard | to match |
| to mix | to compliment | to smear |
| to droop | to hole | to tie |
| | to inlay | |