Printing Instructions:

For each set, you need to print one of each:

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| Description | Filename | Comments |
| Flat-bottomed box | Flat Box.stl | Print in purple |
| Hexagonal close packed box | HCP Box.stl | Print in red |
| Primitive cubic box | PC Box.stl | Print in white |
| Body-centered cubic box | BCC Box.stl | Print in brown |
| HCP Unit Cell | HCP Unit Cell.stl | Print in red |
| FCC Unit Cell | FCC Unit Cell.stl | Print in green |
| BCC Unit Cell | BCC Unit Cell.stl | Print in brown |
| PC Unit Cell | PC Unit Cell.stl | Print in white |
| CCP/FCC Layer Demo | FCC Layer 2 and 3.stl | Print 2, one in red, one in purple. Adjust scale so each bead is 1” |
|  | FCC Layer 1 and 4.stl | Print 2, both black. Adjust scale so each bead is 1” (or use two 1” beads) |

For demonstration purposes, consider printing a single set of the following, as well:

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| Description | Filename | Comments |
| HCP Unit Cell | HCP Unit Cell.stl | Print in red, but larger |
| FCC Unit Cell | FCC Unit Cell.stl | Print in green, but larger |
| BCC Unit Cell | BCC Unit Cell.stl | Print in brown, but larger |
| PC Unit Cell | PC Unit Cell.stl | Print in white, but larger |
| HCP/FCC Layer | HCP Layer.stl | Print 4, one in red, one in purple, and two in black |
| Full CCP/FCC Layer Demo | FCC Layer 2 and 3.stl | Print 2, one in red, one in purple. Adjust scale so each bead is 1 cm |
|  | FCC Layer 1 and 4.stl | Print 2, both black. Adjust scale so each bead is 1 cm (or use two 1 cm beads) |
|  | FCC Crystal Layers 2 and 3.stl | Print 2 in clear or white. Adjust scale so each bead is 1 cm. |
|  | FCC Crystal Layers 1 and 4.stl | Print 2 in clear or white. Adjust scale so each bead is 1 cm. |