

| Navigation commands for 3D view | |
|---|--------------------------------------|
| Orbital Camera Rotation | mouseMIDDLE +drag |
| Orbital STEP by STEP Camera Rotation | Numpad: 2,6,4,8 |
| Horizontal Panning | CTRL + mouseSCROLL |
| Vertical Panning | SHIFT+ mouseSCROLL |
| Free Panning | SHIFT+ mouseMIDDLE + drag |
| ZOOM | CTRL +mouseMIDDLE+drag mouseSCROLL |
| Switch projection Perspective/Ortogonal | NumPad 5 |
| Front view | NumPad 1 |
| Back view | CTRL + NumPad 1 |
| Right view | NumPad 3 |
| Left view | CTRL +NumPad 3 |
| Top view | Numpad 7 |
| Bottom view | Numpad 9 |
| Camera Focus on selection | Numpad , (dot/period) |
| 3D View on scene active Camera | NumPad 0 |
| Free FLY Camera mode | SHIFT+F |
| Set active scene camera to viewPort | CTRL+ALT+Numpad 0 |

| Handy Menus and other shortcuts | |
|---------------------------------|----------------------|
| Search menu | SPACE |
| Special Menu | W |
| Add geometry menu | shift + A |
| Snap actions menu | shift + S |
| Vertex functions menu | CTRL + V |
| Edges functions Menu | CTRL + E |
| Faces functions Menu | CTRL + F |
| Apply trasformations | CTRL+A (object mode) |
| | |
| Convert curve to... | ALT+C(object mode) |
| Toggle Cyclic/ aCyclic curve | ALT-C(edit mode) |
| | |
| <u>SAVE your WORK!!!!</u> | CTRL+S |
| <u>SAVE yourself (undo)</u> | CTRL-Z |

| Modes | |
|--------------------------------------|-----------------|
| | |
| <u>Toggle edit/object mode</u> | TAB |
| Toggle snapping | SHIFT+TAB |
| Toggle proportional editing | O |
| Toggle wireframe / solid render | Z |
| Choose selection mode (in EDIT MODE) | CTRL+TAB +1/2/3 |

| Selection Methods and Tools | |
|--|----------------------|
| Circular Selection tool | C |
| Rectangular selection tool | B |
| Lazo selection | Ctrl+left-click+drag |
| Single selection | Mouse Right click |
| Add to selected | SHIFT+ Right click |
| Select/Deselect ALL | A |
| Inverse selection | CTRL+I |
| Add/remove to selection | SHIFT+ rightClick |
| Add all elements on the path from the se | CTRL+ rightClick |
| Select all linked | L |
| Deselect all linked | SHIFT + L |
| Select Loop | ALT+right Click |
| | |
| Set Partent to | CTRL+P |
| Clear Parent | ALT+P |

| Few Editing tools / actions | |
|-----------------------------|---------------------|
| Extrude | E (edit mode) |
| Inset | I (edit mode) |
| Knife | K (edit mode) |
| Straight Knife | SHIFT+K (edit mode) |
| Split mesh | Y (edit mode) |
| Duplicate (copy) | SHIFT+D |
| Duplicate (link) | ALT+D (object mode) |
| Loop Cut | CTRL+R (edit mode) |
| Translate | G |
| Rotate | R |
| Scale | S |
| Recalculate Normals | CTRL+N (edit mode) |
| Make face/edge | F (edit mode) |
| Fill with faces(triangles) | ALT+F (edit mode) |
| Spin | ALT+R (edit mode) |