Blender – Fundamentals of Modeling

Section 1 – Getting Started

Objects

Description	Command/Icon
Camera View	Numpad 5,
View the scene from the perspective of the active	Camera Icon
camera	
	Figure 1 - The Camera Icon
Deselect	Click in the Viewport away from all objects
Clears the selection	
Select Multiple Objects	SHIFT + Left Click,
Select multiple objects in the Viewport	Click and Drag to Box Select
NOTE: The active object is the last object selected. It has a brighter orange highlight in the world and in the Outliner.	Scene Collection Collection
Change the Active Object Changes the current Active Object when multiple objects are selected	SHIFT + Left Click One of the Currently Selected Objects
Grab	G,
Moves an object in space	Move Icon to get the Translation Gizmo
, '	†
NOTE: Right Click before confirming movement to	←
cancel that movement	Figure 3 - Move Icon
	Figure 4 - The Translation Gizmo
Undo All Movement	ALT + G
Clear out all movement for an object	

Undo All Rotation Clear out all rotation for an object	ALT + R
Undo All Scaling Clear out all scaling for an object	ALT + S
Lock Movement to an Axis Movement will be constrained to the specified direction	G + (X, Y, or Z) and Move the Mouse (click to confirm), Move Icon, then Click and Drag the Handles on the Translation Gizmo
NOTE: G + (number in meters) + ENTER will rotate the object by the specified distance.	
Rotate Rotate an object parallel to the plane of the screen	R, Rotate Icon to get the Rotation Gizmo
NOTE: Right Click before confirming rotation to cancel that rotation	Figure 5 - Rotation Icon
	Figure 6 - Rotation Gizmo
Lock Rotation to an Axis Rotation will be constrained to the specified axis NOTE: R + (number in degrees) + ENTER will rotate the object by the specified angle.	R + (X, Y, or Z) and Move the Mouse (click to confirm) Rotate Icon, then Click and Drag the Arc Handles on the Rotation Gizmo
Scale Scale an object to make it bigger or smaller	S, Scale Icon, then Click and Drag one of the
NOTE: S + (number) + ENTER will scale the object by the specified number	Handles on the Scale Gizmo Figure 7 - Scale Icon
	Figure 8 - Scale Gizmo

Lock Scaling to an Axis Scaling will be constrained to the specified axis	S + (X, Y, or Z) and Move the Mouse (click to confirm)
Transform an Object in Two Directions	
Allows us to specify the axis not to transform in.	
Translate in Two Directions	G + (SHIFT + Z) will move the object in the XY plane, etc.
Scale in Two Directions	S + (SHIFT + Z) will scale the object in the XY plane, etc.