

3DS MAX

An Introduction to the 3DS MAX interface

Autodesk®
3ds Max®
2012



Autodesk®

Initializing 3ds Max...

This tutorial will introduce the interface and basics behind Autodesk **3ds Max**



3ds Max?
What does it do?



Modeling

Creating complex 3d Forms

Animation

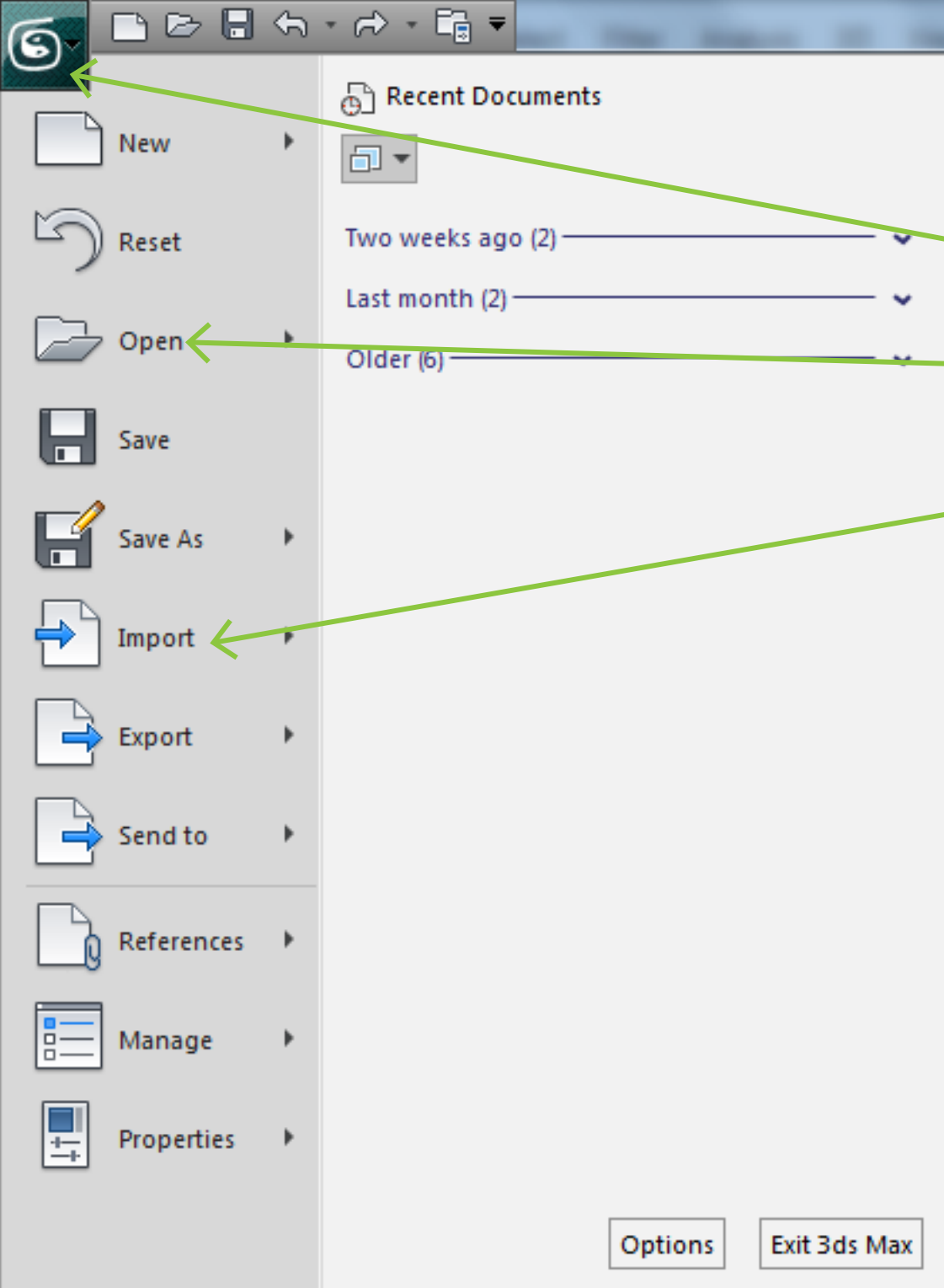
Creating video animations of models

Rendering

Creating visually stunning images of models



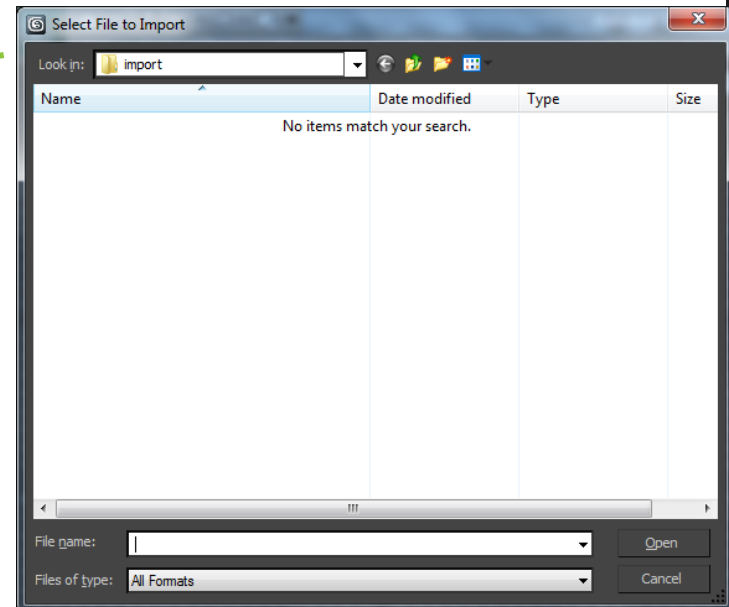
THE
ARC.



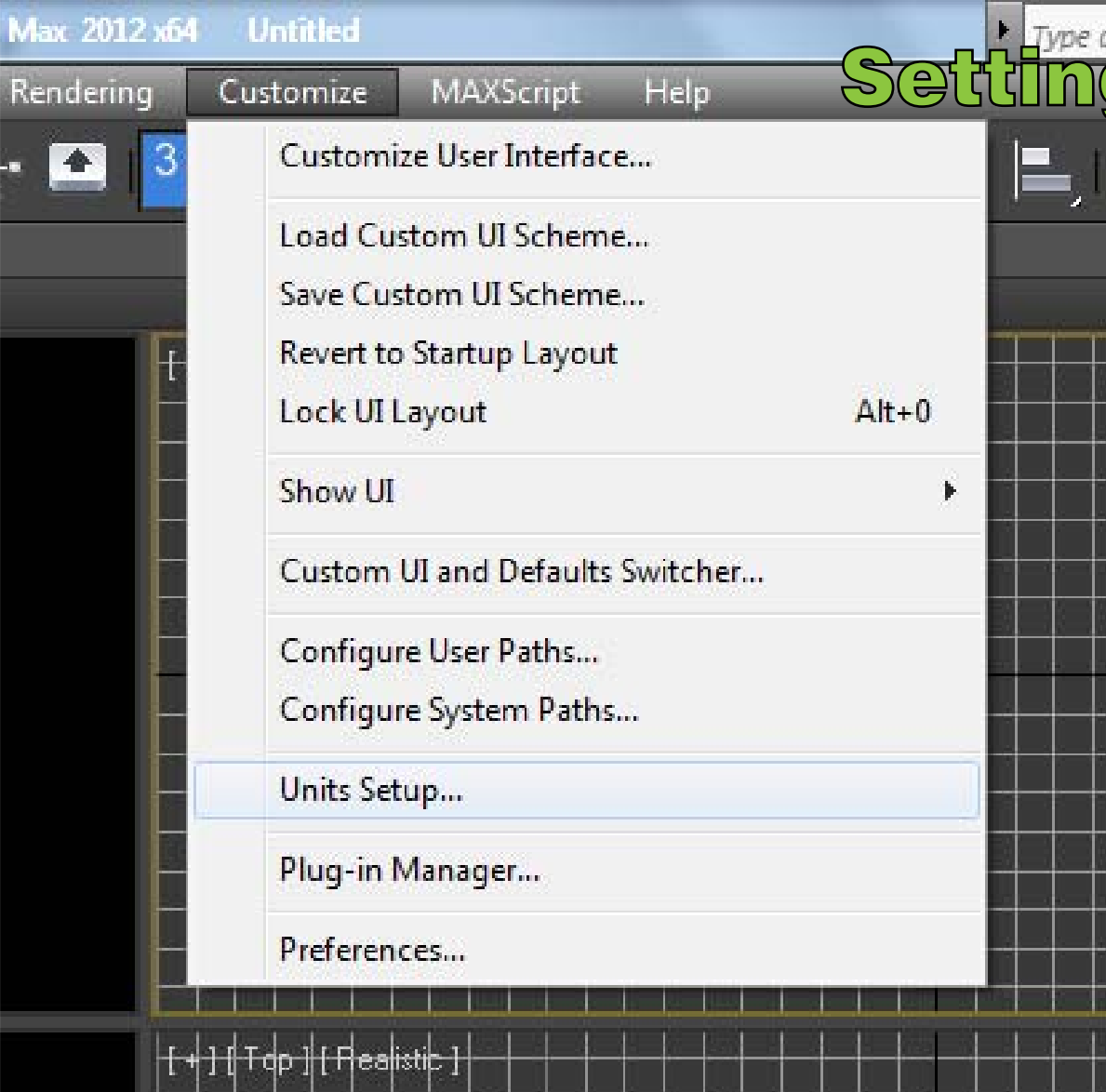
3ds Max opening... Now what?

The 3ds Max logo in the upper left corner acts like the main file button of most programs.

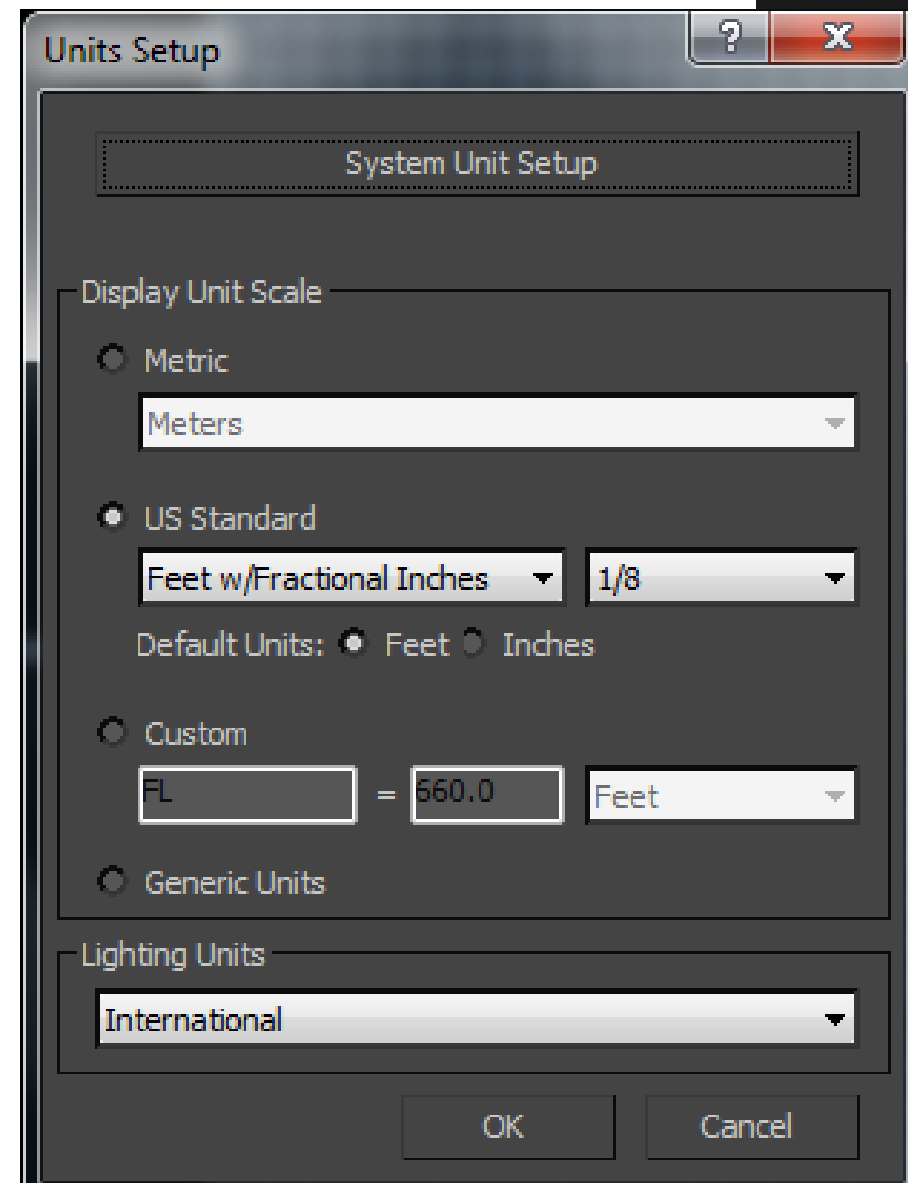
If anything was previously developed in 3ds max, then the file can be opened here.



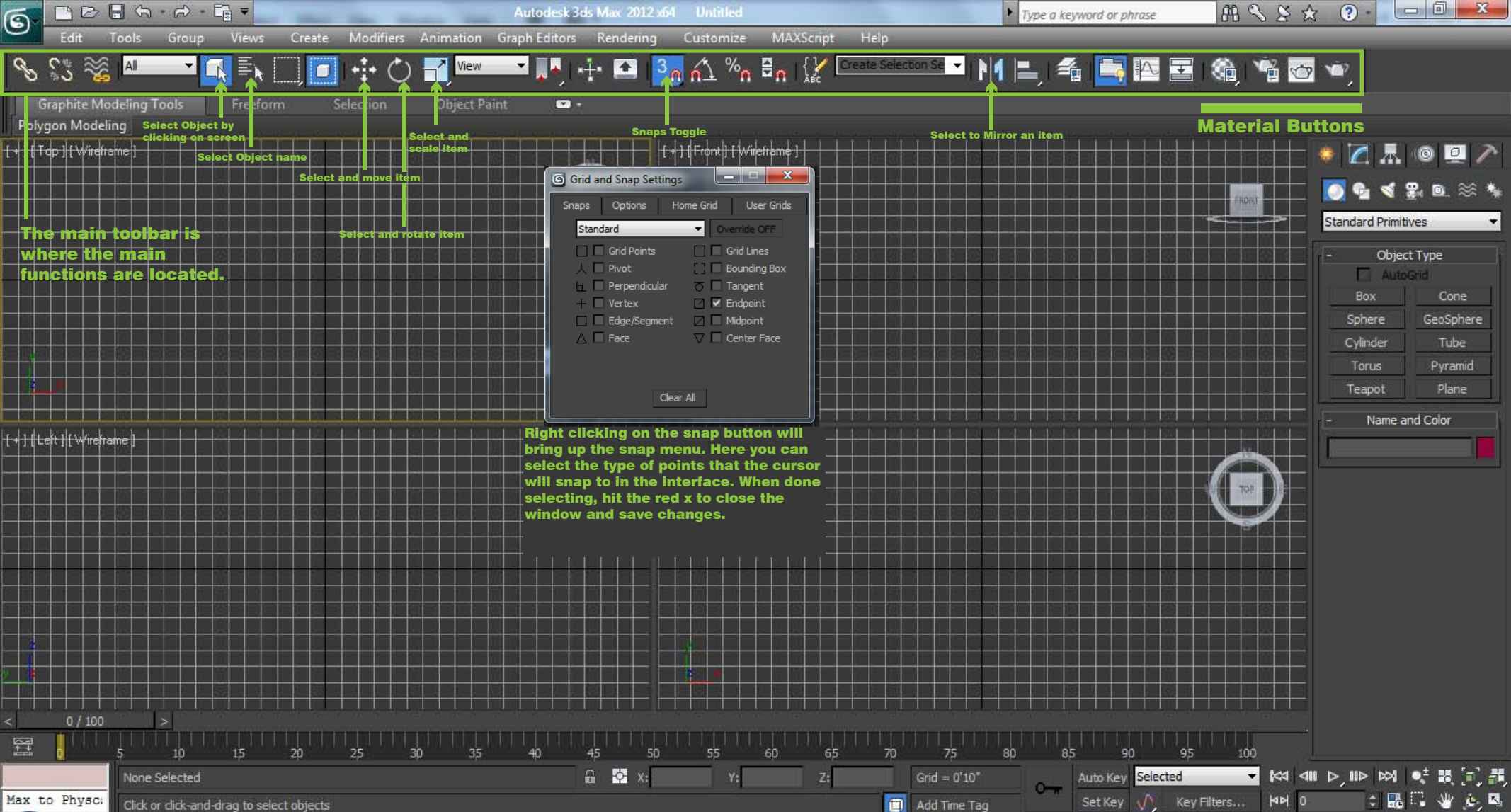
Most often, other formats will be imported to Max. If this is the case, then hitting import will open an import window where one can choose any format to import into Max.



Setting up the new model

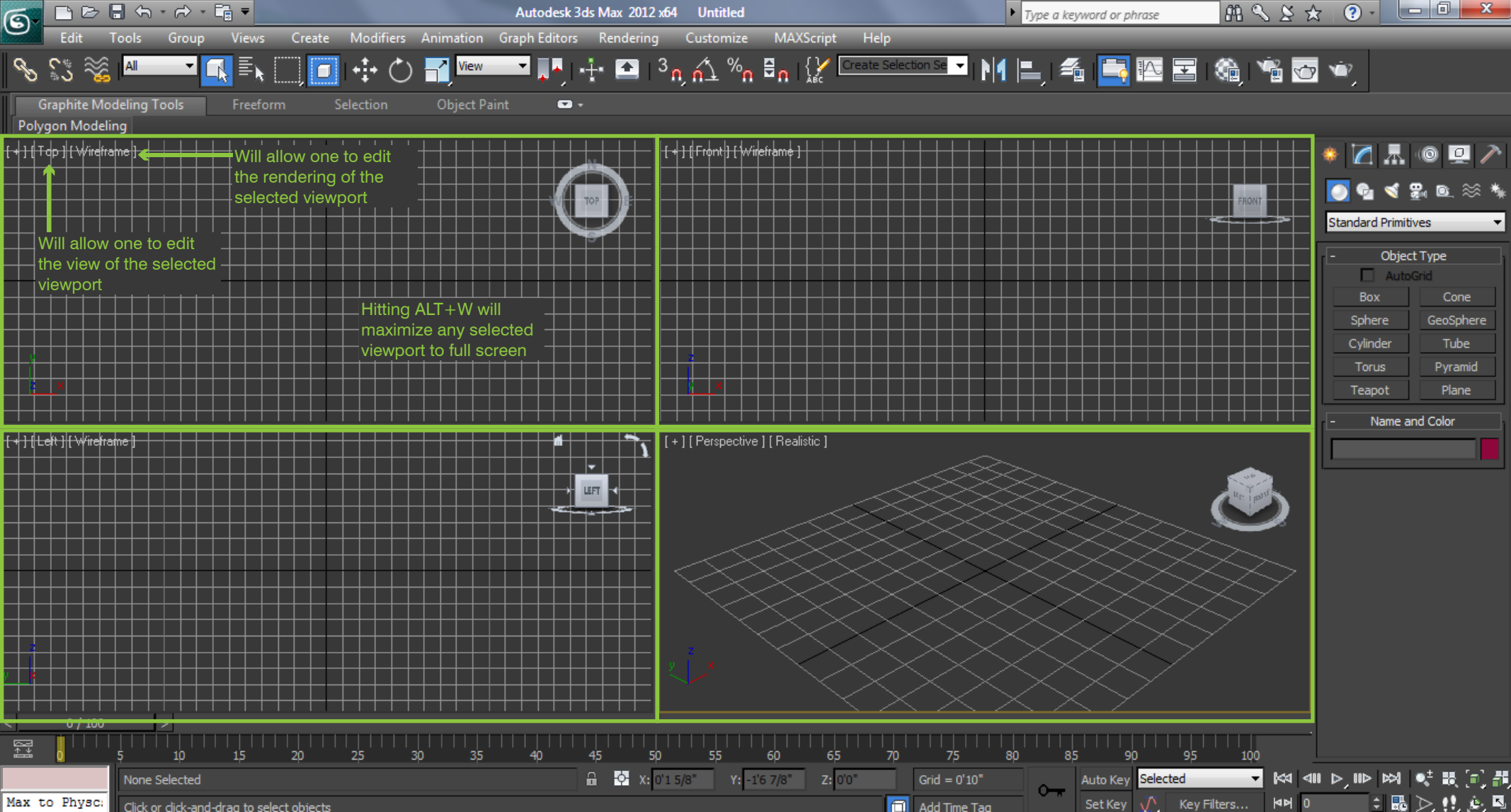


Coherence between models that may be imported is key. In order to keep the same scales, the units must be the same. The customize menu in Max will allow one to select the units setup menu. In the Units Setup, one can choose to set the units to whichever the model requests.



The Interface

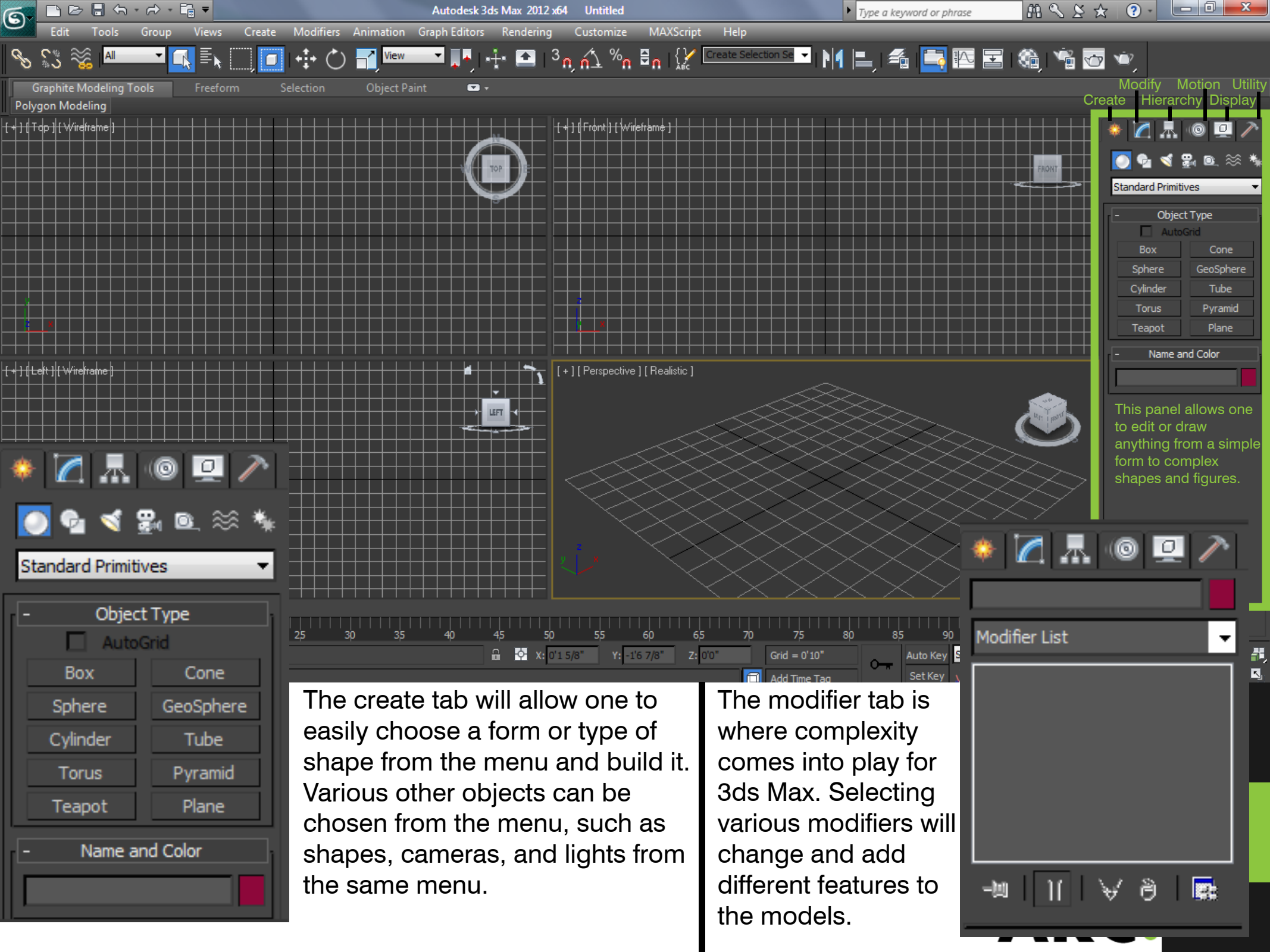
3ds Max runs on an interface that is strictly button based rather than programs like AutoCad that are mostly command based.



Viewports

3ds Max is based by default in four different viewports. The four viewports show four different views of the modelspace.

Working between multiple viewports at one can allow much more efficiency and flexibility in design. The ability to see how the model looks in various views at one time is important to the final outcome.

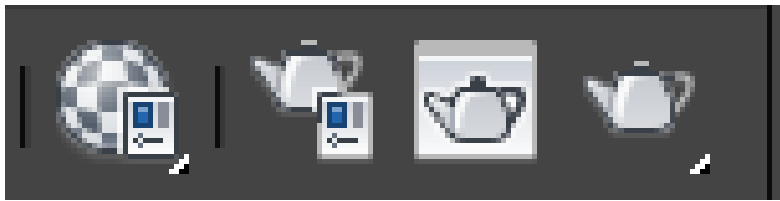


Modify Motion Utility
Create Hierarchy Display

This panel allows one to edit or draw anything from a simple form to complex shapes and figures.

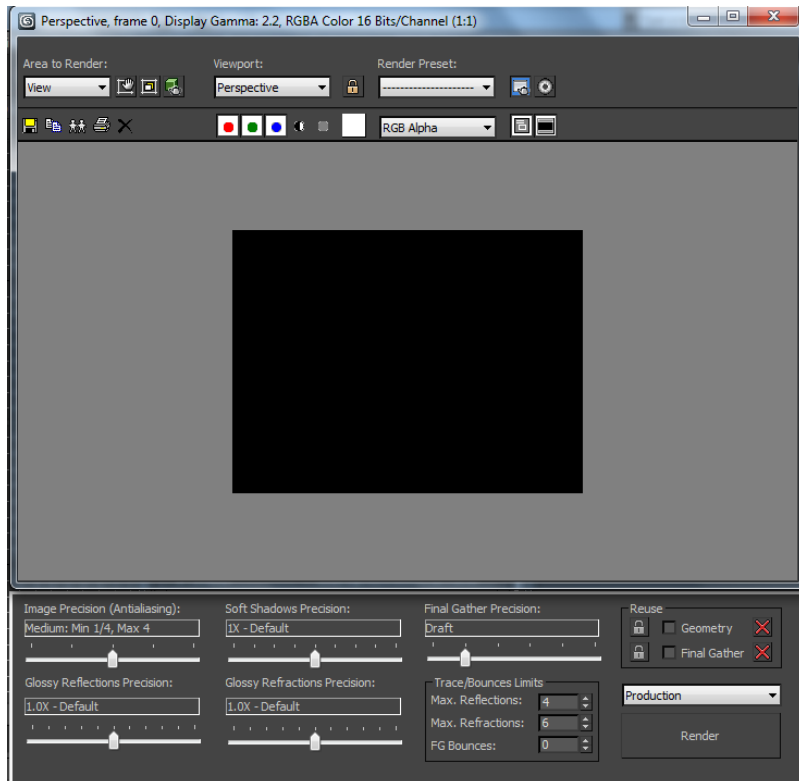
The create tab will allow one to easily choose a form or type of shape from the menu and build it. Various other objects can be chosen from the menu, such as shapes, cameras, and lights from the same menu.

The modifier tab is where complexity comes into play for 3ds Max. Selecting various modifiers will change and add different features to the models.



Material Browser Render Setup Render Window Start Render

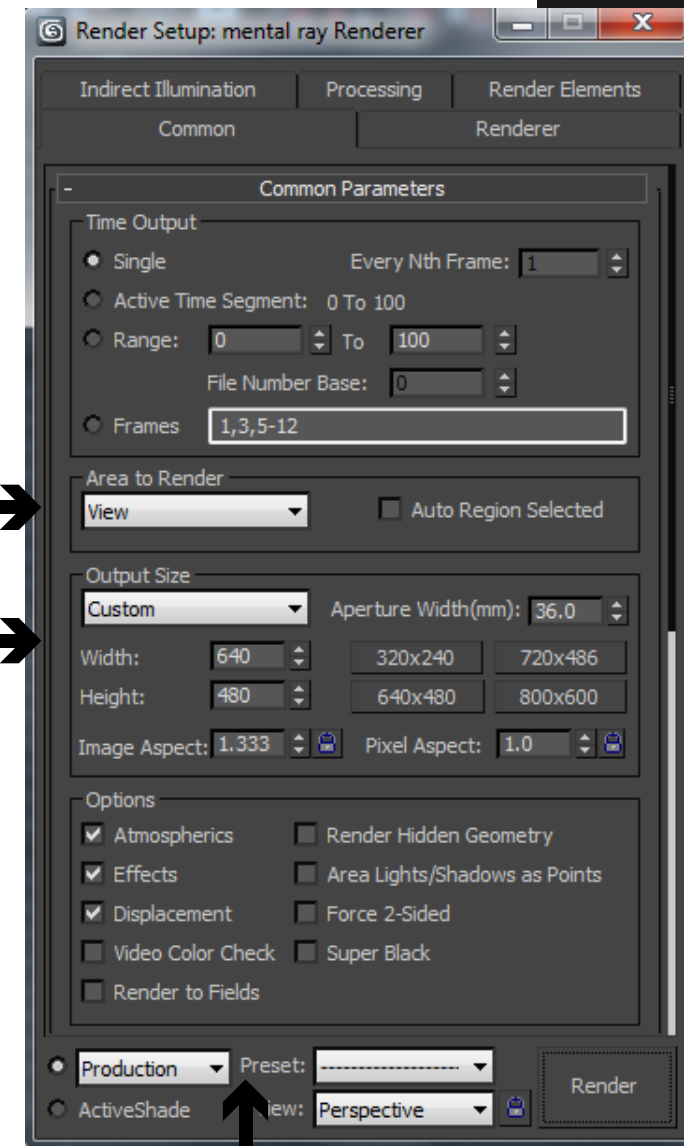
The render setup window holds every adjustment and option available for the rendering.



This area can select what view will be rendered

This area is where adjustments as to which viewport will be rendered and the size of the rendered image

When the render is started, the render window will open and this is where the render will be viewed. From this menu you can save, clear, or copy the current rendered image.



Max has various preset rendering conditions, such as mental ray daylighting that require few changes with great results.

Material Editor

The material editor tab is one of the most important parts of rendering. In order to make a model look like something other than a grey box, a material must be created. Most new versions of 3ds Max have the “Slate Material Editor,” but the “Compact Material Editor” can be selected by the mode button.

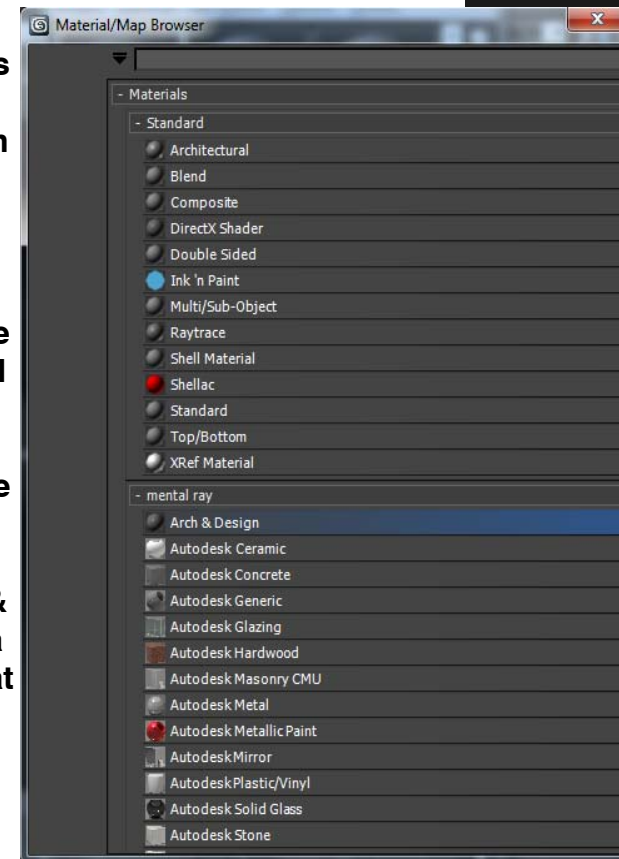
When the get material button is selected, this window will open up as the materials available to be selected. The materials that are under the mental ray tab are advised to be selected because they are higher quality when rendered. Arch & Design acts as a base material that can be customized.

Previews of the output of the material when rendered

Get material will create a new material from scratch to be ready for editing.

When a material is as desired, this button will apply the material to any selected object.

3ds Max has many pre-made materials that can be used as is or easily customized.



More Questions?

Come by the arc for any further help regarding anything 3ds Max

Autodesk makes multiple trial versions and student versions of their software available for any student on their website.

<http://usa.autodesk.com/3ds-max/>