Worrying Too Much About Materials? Start With a Clean Slate! AV2659

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Class summary

"I wish I could easily develop materials or better yet understand how it was created."

"Where do I need to go in the material editor to assign an image? Ok now that I'm done how do I get back to the main menu?"

-Common statements by new 3ds Max users



Key learning objectives

At the end of this class, you will be able to:

- Know the difference between the Compact Material Editor and the Slate Material Editor.
- Navigate the Slate Material Editor in 3ds Max and/or 3ds Max Design.
- Explain wiring of node based material hierarchies.
- Easily organize materials in the Slate Material Editor.

About Your Presenter

General Information:

- Over 15 years experience in the Architecture Industry.
- BA Architecture (University of Illinois, Chicago)
- AAS Computer Graphics (American Academy of Art)

At Autodesk:

- Have been with Autodesk Consulting for 5 years.
- Specialization in BIM and Design Visualization
- Have worked with many AEC firms educating customers in both BIM and Design Visualization:

















About Your Presenter

Outside of Autodesk:

- Chairs the Chicago Chapter of the Computer Graphics Society.
 - Non-Profit organization dedicated to the pursuit of Digital Art
 - Mentors students and professionals in the latest digital art techniques:
 - Modeling, Compositing, Digital Concept Art.





"I WISH THE MATERIAL EDITOR WAS EASIER TO LISE. IT'S ROCKET SCIENCE."

- A LONG TIME AGO
MARGUS LEARNING 305 MAX 4.0

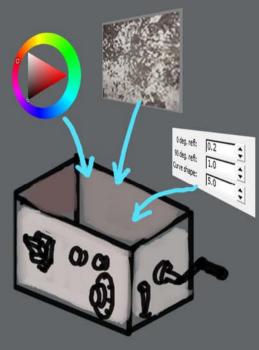


GENERAL TERMS

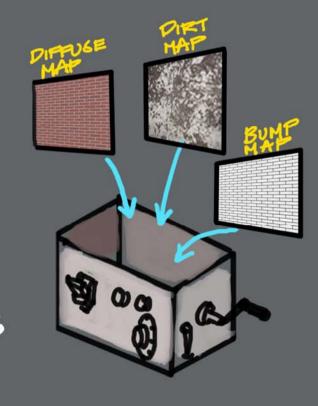
MATERIALS: - VERY GENERIC TERM

- LOOK, COLOR, FEEL
- · TRANSPARENCY , REFLECTIVITY
- · SPECULAKITY, TEXTURE

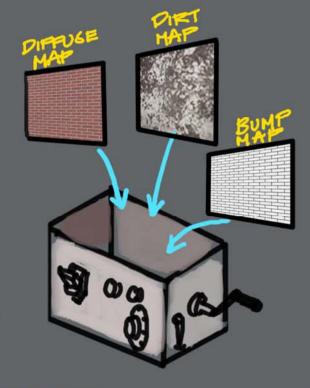
REALLY NOTHING MORE THAN A FANCY TERM FOR A CONTAINER THAT HAS FLIPS, CONTROLS, DIALS AND CAN REFERENCE IMAGE FILES!



GENERAL TERMS - MAPS: AN IMAGE FILE. - CAN BE REFERENCED - CAN BE PROCEDURALLY CREATED * MAPS AKE NOT MATERIALS MAPS ARE ASSIGNED TO MATERIALS





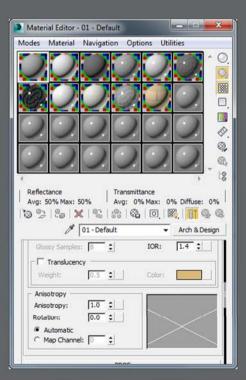


WHAT REALLY GENES!

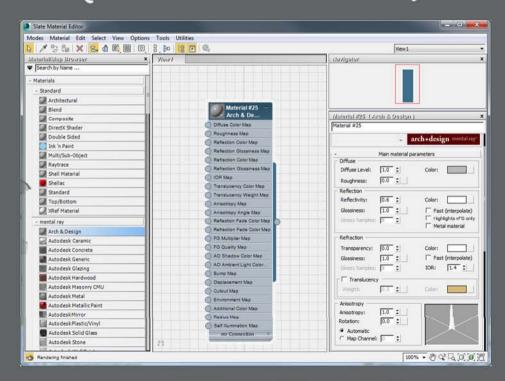
SO LET'S DO OUR PART AND USE THE TERMS CORRECTLY!

... 50 305 Max has TWO MATERIAL EPITORS

(COMPACT MATERIAL EIGTOR)



(SLATE MATERIAL EDITOR)

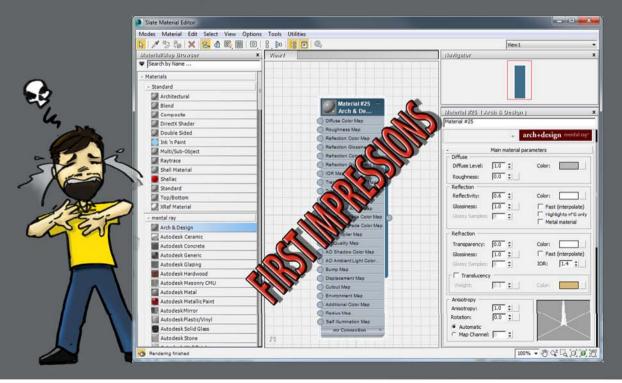


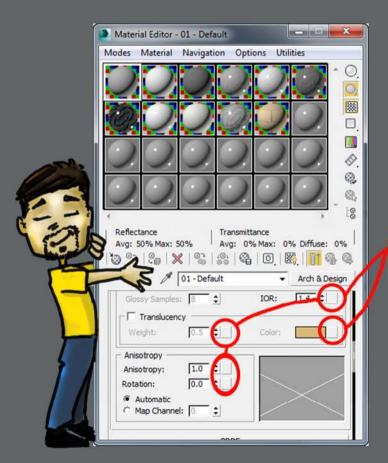
... 50 305 Max HAS TWO MATERIAL EPITORS

(COMPACT MATERIAL EIGTOR)

(SLATE MATERIAL EDITOR)







COMPACT MATERIAL EDITOR:

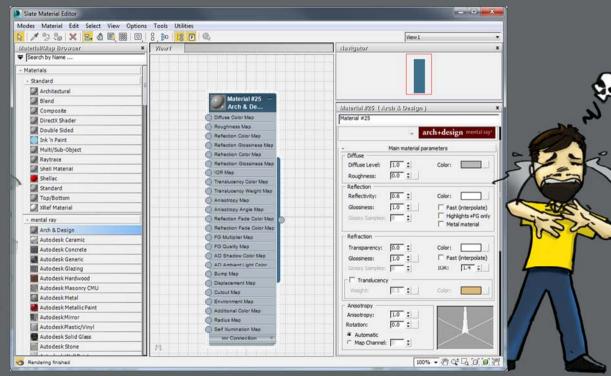
- THE LEGACY MATERIAL EPITOR
- NOT MUCH HAS CHANGED WITH THE GRAPHIC INTERFACE.



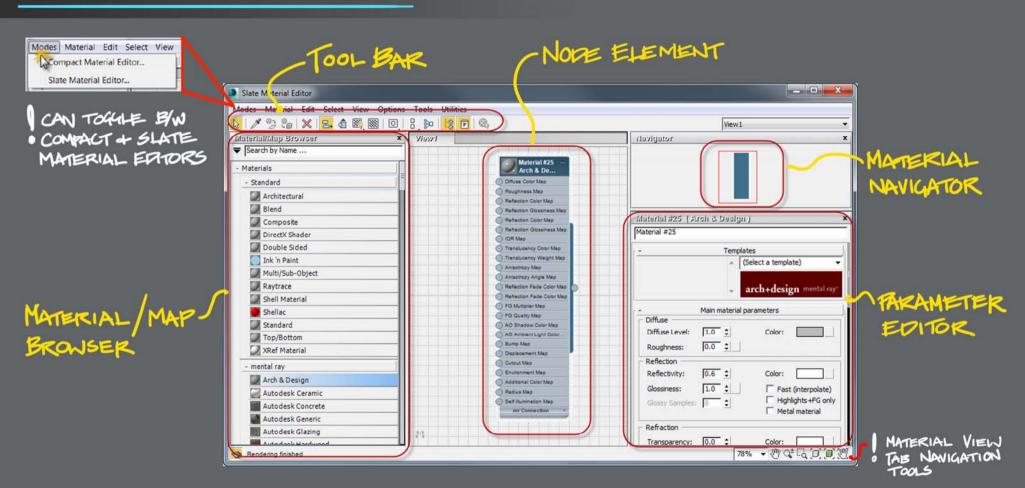
- ASSIGNING MAPS, UNPERSTANDING WHERE MARS ARE ASSIGNED A MAJOR MENTAL CHALLENGE.
- UNDERSTANDING HOW SOMEONE ELSE CREATED A MATERIAL CAN BE EVEN A GREATER CHALLENGE.

SLATE MATTERIAL EDITOR:

- -FIRST INTRODUCED IN 300 Max 2011
- Introduces a node based Material Workflow
- ALLOWS FOR A GRAPHIC
 MATERIAL REPRESENTATION
 THAT ALLOWS FOR A MORE
 COMPREHENSIVE UNDERSTANDING
 OF A MATERIAL, ITS
 CONSTRUCTION & DEPENDENCIES



"IT'S NEW, THEREFORE SCARY; NO SIR, I DON'T LIKE IT!"
- KANDOM USER FROM MY TRAVELS



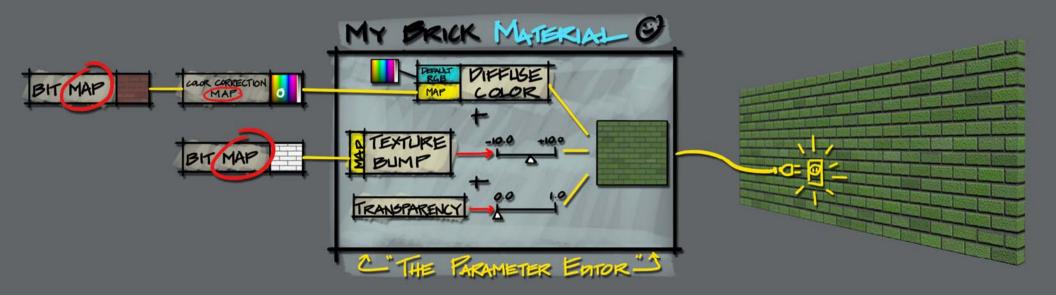
"CAN YOU KEAD A VISIO DAGRAM?"

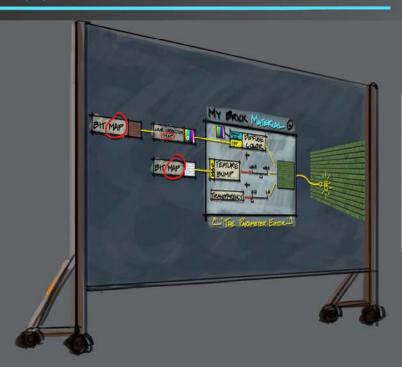
4: YES - GOOD YOU ALREADY HAVE A GENERAL UNDERSTANDING OF THE WORKFLOW!

B: NOPE - THAT'S OK. WE'LL START FROM THE BEGINNING!

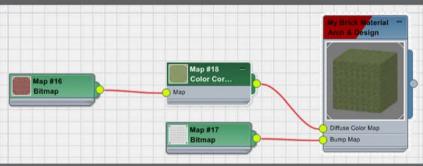


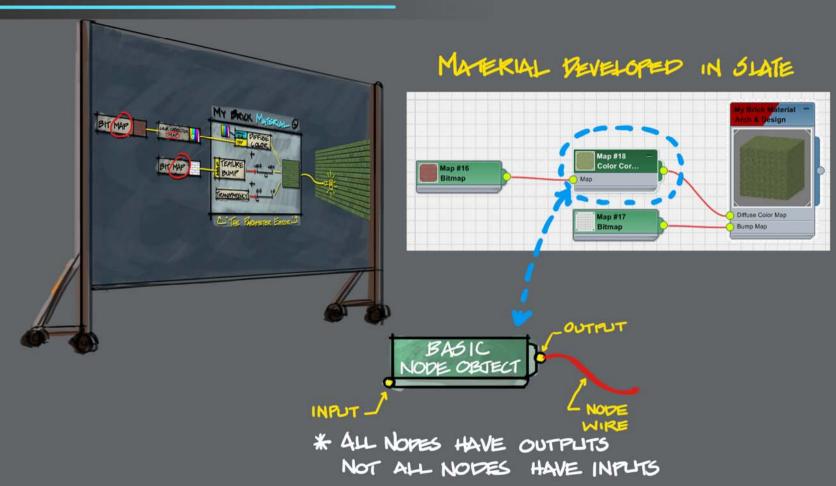
WHAT DOES SLATE EXACTLY DO? IT'S LIKE A VISIO® DIAGRAM, FUT FOR MATERIALS.

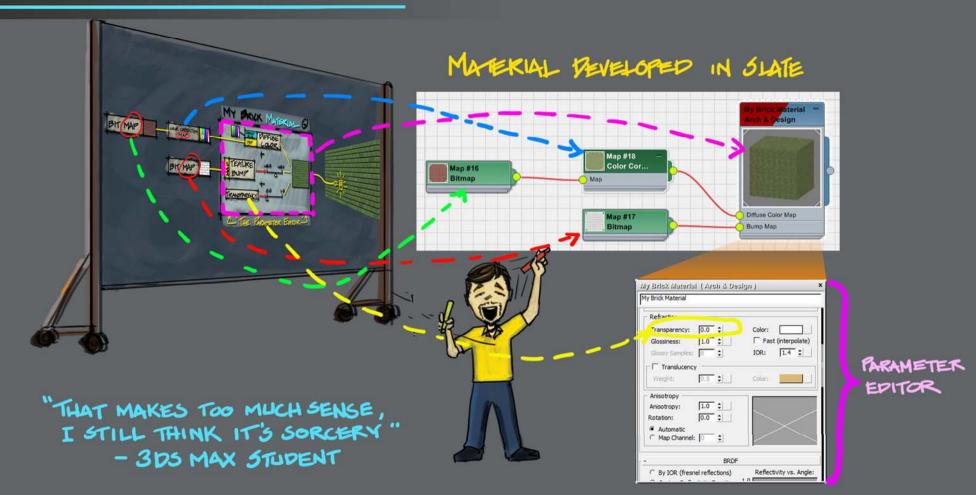


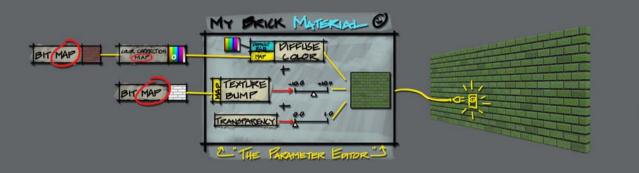


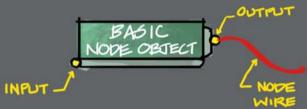
MATERIAL PEVELOPED IN SLATE





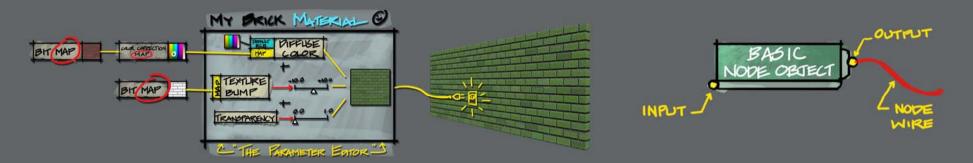






- GENERAL UNDERSTANDING OF SLATE
- KNOW THE DIFFERENCE B/W MATERIALS & MAPS
- UNDERSTAND THE CONCEPT OF WIKING
- REALLY LIKE THE DOODLES IN THE PRESENTATION!





- GENERAL UNPERSTANDING OF SLATE
- KNOW THE DIFFERENCE B/W MATERIALS & MAPS
- UNDERSTAND THE CONCEPT OF WIKING
- X ZNOT REQUIRED FOR THE PURPOSE





"WITH GREAT BUEK COMES GREAT RESPONSIBILITY!" -STAN LEE

PRACTICAL DEMONSTRATION

- CREATING A MATERIAL IN SLATE
- ORGANIZING MATERIALS IN SLATE

QUESTIONS AND ANSWERS

- "KNOW THE PIFFERENCE BYW THE MATERIAL SEPTIONS
- NAVIGATE THE CLASE MATERIAL EATER IN SES MAX
- Explain wiring of home exce material Hierarchies
- EASILY ORGANIZE MATERIALS IN THE SLATE MATERIAL BRITCH

THANK YOU...

ENJOY THE KEST OF YOUR ALL EXPERIENCE!



