

TEACHING REMOTELY WITH IMMERSIVE TECHNOLOGY

DISCUSSIONS, CRITIQUE, TUTORIALS, QUIZZES

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AR Performance – audience
And actors in AR headsets

- HAVE TAUGHT IN SECOND LIFE
- ATTENDED LAVAL VIRTUAL 2020
- LOTS OF ZOOMING
- TEACHING STUDENTS TO CREATE WORK FOR IMMERSIVE TECHNOLOGY REMOTELY
- USE OLD SCHOOL TECHNOLOGY

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DISCUSSION – EVERYONE PARTICIPATES

- ◆ What are the elements of design?
- ◆ What are the principles of design?
- ◆ What are the rules of design?
- ◆ How do you determine how many polygons to use?
 - Distance the object is from the camera
 - Faceting, can you see facets along the edge
 - Where is the object going to be used? Game or film?
 - What resolution will the final render be?
 - Can any part of the object be replaced by a texture?
 - Is it glowing green?
- ◆ Methods for showing depth

Use the outline in Word.

Start with the discussion items.

Add details from discussion during class.

Post the results

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CRITIQUE

- PROVIDE A LIST OF POSSIBLE THINGS TO CRITIQUE
 - DESIGN AND TECHNICAL
- CONSTRUCTIVE CRITIQUE
 - WHY DID YOU CHOOSE?
 - DID YOU CONSIDER?
- LIVE CRITIQUE IN ZOOM
- STUDENTS POST WORK TO GOOGLE PHOTOS
 - CRITIQUES ARE SUBMITTED AS COMMENTS
 - OTHER STUDENTS SEE THE CRITIQUES
- STUDENTS POST WORK
 - OTHER STUDENTS SUBMIT CRITIQUE TO DROPBOX
- STUDENTS POST WORK
 - SAME IDEA, BUT STUDENTS POST ANSWERS IN A QUIZ WHERE THEY CAN BE ASKED SPECIFICS
 - CAN USE RANDOM QUESTIONS
 - AVOIDS 'DEER IN THE HEADLIGHTS' SYNDROME

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TUTORIALS

- VIDEOS
 - STUDENTS SEEM TO LIKE THEM
 - BIG TO DOWNLOAD OR STREAM
 - POST FOR STREAMING
 - HARD TO FIND SPECIFICS LATER
- WRITTEN TUTORIALS
 - I LIKE THEM, BUT A LOT OF STUDENTS DON'T
 - OFTEN CAN'T TAKE NOTES IN THE DOCUMENT
- NOTES FROM VIDEO TUTORIALS
- NOTES IN POWERPOINT
 - SCREEN GRABS WITH NOTES
 - LIGHTER TO DOWNLOAD
 - WATCH LOCALLY
 - VISUALS ARE EASY TO INCLUDE
 - CAN SEE THE WHOLE PROCESS AT A GLANCE IN THE SLIDE SORTER
 - IN THE NOTES VIEW, CAN SEE WRITTEN INFO AND ADD NOTES

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Students can see the written details and add their own notes

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QUIZZES

- MULTIPLE CHOICE IN TEACHING SOFTWARE
 - MULTIPLE CHOICE
 - AUTOMATIC GRADING
- FILLABLE FORM
 - CAN DO IT OFF LINE
 - SUBMIT DIGITALLY
- NOTES IN POWERPOINT
 - QUESTIONS RELATED TO IMAGES
 - QUESTIONS AND ANSWERS IN THE NOTES AREA
 - SUBMIT POWERPOINT FILE

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QUIZZES

- MULTIPLE CHOICE IN TEACHING SOFTWARE
 - IT'S MULTIPLE CHOICE
 - AUTOMATIC GRADING
- FILLABLE FORM
 - CAN DO IT OFF LINE
 - SUBMIT DIGITALLY
- NOTES IN POWERPOINT
 - QUESTIONS RELATED TO IMAGES
 - QUESTIONS AND ANSWERS IN THE NOTES AREA
 - SUBMIT POWERPOINT FILE
- PRACTICAL
 - A CHALLENGE
 - A TIME LIMIT
 - SUBMIT RESULTS IN A DROPBOX

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SUBMISSION OF AR/VR PROJECTS

- STUDENTS DON'T HAVE ACCESS TO ALL OF THE TECHNOLOGY
 - SLOW COMPUTER
 - BAD INTERNET ACCESS
 - COMPUTER GOES DOWN
- SKETCHES
 - SHOWS CONCEPTUAL WORK
- REFERENCE IMAGES
- VIDEO WALKTHROUGH
- WALKTHROUGH WITH SLIDES
 - CAN ADD DESCRIPTION OF MECHANICS

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