

3D Modeling

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Presentation Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of the software for project development.	Some understanding of the basic use of the software for project development.	Competence in the use of software for project development.	Mastery in the use of software for project development.
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Software Usage Was the software suitable for the project?	Software used was not appropriate for the project.	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
Project Design Do all elements of the project work together?	Colors, textures and shapes do not work well together.	Some attempt has been made to coordinate colors, textures and shapes.	Colors, textures and shapes have been carefully chosen to lend realism to the project	Mastery in the choice of colors, textures and shapes to create realistic images.
Background Design How well does the project use lighting and shadow techniques?	No lighting or shadows are present in the project.	Some attempt has been made to use lighting and shadow techniques to highlight the project.	Student expanded the use of lighting and shadow techniques in their project.	Mastery in the use of lighting and shadow techniques in the project.

Comments

Animated Graphic Design

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Presentation Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of the software for project development.	Some understanding of the basic use of the software for project development.	Competence in the use of software for project development.	Mastery in the use of software for project development.
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Software Usage Was the software suitable for the project?	Software used was not appropriate for the project.	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
Project Design Do all elements of the project work together?	Colors, textures, and shapes do not work well together.	Some attempt has been made to coordinate colors, textures, and shapes.	Colors, textures, and shapes have been carefully chosen to lend realism to the project.	Mastery in the choice of colors, textures, and shapes to create realistic images.
Smooth Movement How smooth and realistic are the movements?	Movements are jerky and unrealistic.	Movements are fairly smooth and realistic. No speed variation.	Movements are smooth and realistic. Has some speed variation.	Mastery in the creation of movement. It is smooth and realistic. Varying speeds are shown in the movement of the main character and the objects in the background.
Number of Movements How complex is the design?	At most, one object moving.	Two objects moving excluding the background.	Three or more objects moving including the background.	Mastery in the complexity of the design with three or more objects or sources of movement including the background.

Comments

Case Modification

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Mechanical/Technical Do the hardware components function properly?	Computer will not turn on.	Computer turns on but some other components don't work.	Moderate alterations are present and computer functions properly.	Extensive alterations are present and computer functions properly.
Overall Design What is the overall effect of the design?	No design or theme present.	Design detracts from the theme of the project or does not provide for a theme.	Design enhances the theme of the project and may include use of software to enhance overall design.	Strong consistent theme including the use of software to enhance overall design.
Detailing How much thought was given to the detailing of the case?	No detailing is done.	Little detailing or is poorly done with little or no theme.	Detailing is present and complements the theme.	Extensive detailing that complements and enhances the theme.

Comments

Digital Photography

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Presentation Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of the software for project development.	Some understanding of the basic use of the software for project development.	Competence in the use of software for project development.	Mastery in the use of software for project development.
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Software Usage Was the software suitable for the project?	Software used was not appropriate for the project.	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
Composition How effectively did the student use the principles of composition?	No organization or arrangement apparent with the elements of the picture.	The image(s) are shot in a plain manner, distracting from the composition and leaving image stagnant. Backgrounds are busy or distract from the focus of the image.	Image composition has potential, but other angles, focal lengths and positioning of subjects will improve image.	Strong composition. Images are strong because of layout and placement of camera to model.
Image Quality How clear and focused is the image?	All image(s) are out of focus. Does not apply if lack of focus is artistically intentional.	Some images are slightly out of focus. Does not apply if lack of focus is artistically intentional.	Good quality images with proper exposure.	Outstanding image quality, with proper exposure.

Comments:

Hardware

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Presentation Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of how the project was developed.	Some understanding of how the project was developed.	Expanded on how the project was developed.	Demonstrated mastery on how the project was developed.
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Appearance What is the overall appearance of the computer?	Computer components are dirty and haphazardly arranged.	Computer components are clean, but haphazardly arranged.	Computer components are clean and arranged.	Computer components are clean and carefully arranged.
Appropriateness Do the components match the purpose of the computer?	No match between the components of the computer and what it was intended to do.	Some components of the computer are matched to what the computer was intended to do.	Most of the components match what the computer was intended to do.	Mastery exhibited in the match of components with what the computer was intended to do.
Operating System How well does the operating system work?	System does not boot up.	System boots up with numerous errors.	System boots up with minimum errors.	System boots up with no errors.
Components Does the computer recognize and access components (floppy, disk drive, CD, etc.)?	System fails to recognize or access any components.	System recognizes and accesses components, but with numerous problems.	System recognizes and accesses components with few problems.	System recognizes and accesses components with no problems.
Operations How many of the seven basic operations can the computer perform? (Input, output, storage, retrieval sending, receiving and processing information.)	No operations performed.	2 – 3 operations performed.	4 – 6 operations performed.	All 7 operations can be performed.

Comments:

Multimedia Applications

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Presentation Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of the software for project development.	Some understanding of the basic use of the software for project development.	Competence in the use of software for project development.	Mastery in the use of software for project development.
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Software Usage Was the software suitable for the project?	Software used was not appropriate for the project.	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
Project Design Do all elements of the project work together to effectively communicate content and ideas?	Screens are either barren and stark or confusing and cluttered. There is too much or not enough text on each slide. All graphics and special effects are distracting and interfere with the communication of the message.	Screens are somewhat organized. Most of the slides have too much or not enough text. Most graphics and special effects are distracting and interfere with the communication of the message.	Screens are organized. Some of the slides have too much or not enough text. Some graphics and special effects are distracting, but most of the elements and content combine to adequately deliver the message.	Mastery in the combination of multimedia elements and content, reinforcing the message. Special attention is given to balance, proportion, harmony, and restraint of text, graphics and special effects.
Topic/Content Is the topic and content appropriately matched?	Includes no essential information and no facts.	Includes little essential information and one or two facts.	Includes most essential information and three or more facts. Includes enough elaboration to give viewers and understanding of the topic.	Includes all essential information completely and in depth. Viewer has a thorough understanding of the topic and is encouraged to take action, learn more, etc.

Comments:

Non-Animated Graphic Design

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Presentation Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of the software for project development.	Some understanding of the basic use of the software for project development.	Competence in the use of software for project development.	Mastery in the use of software for project development.
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Software Usage Was the software suitable for the project?	Software used was not appropriate for the project.	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
Texture Are varying textures used to make the picture realistic?	No textures shown.	Some textures are used but picture is basic.	Expanded use of textures to enhance the picture.	Mastery in the choice of textures to make the project realistic.
Project Design Do all elements of the project work together?	Colors, textures and shapes do not work well together.	Some attempt has been made to coordinate colors, textures and shapes.	Colors, textures and shapes have been carefully chosen to lend realism to the project	Mastery in the choice of color, textures and shapes to create realistic images.
Color or Tone Was there variation in color or tone?	No variation in color or tone.	Some variation in color or tone.	Expanded use of color or tone to enhance project.	Mastery in use of color or tone to make project realistic.

Comments:

Programming Challenge

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Presentation Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of the software for project development.	Some understanding of the basic use of the software for project development.	Competence in the use of software for project development.	Mastery in the use of software for project development.
Formatting Is the code arranged in an orderly and logical manner?	None of the is code lined up on the left side of the page with no indentations..	Some of the is code lined up on the left side of the page and some of the indentation is consistent.	Most of the code lined up on the left side of the page and most of the indentation is consistent.	All of the code is lined up on the left side of the page and all of the indentation is consistent.
Source Code Documentation Is written text present that either explains how the code operates or how to use it?	No comments are present in the code.	Few, if any comments are present in the code or comments do not explain the code.	Some comments are present in the code and most comments explain the code.	Comments are used in appropriate places and describe the intent of the code.
Execution/Performance How does well does the program perform?	None of the program executes.	Program executes with some errors. Program handles few special cases and little testing has been completed.	Program executes with few errors. Program handles some special cases and some testing has been completed.	Program uses solution that is easy to understand and maintain. Programmer has analyzed many alternate solutions and has chosen the most efficient. Programmer has included the reasons for the solution chosen.
Specifications Does the program meet the specifications for the assignment?	The program does not follow the assignment description.	The program follows some of the assignment description.	The program follows most of the assignment description.	The program follows all of the assignment description.
Software Usage Was the software suitable for the project?	Software used was not appropriate for the project.	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
Efficiency How efficient did the operations function to achieve the solution?	Program was not efficient.	Program uses logical solution that is easy to follow but it is not the most efficient. Program has considered alternate solutions.	Program uses an efficient and easy to follow solution (no confusing tricks). Programmer has considered alternate solutions and has chosen an efficient one.	Program uses outstanding solution that is easy to understand and maintain. Programmer has analyzed many alternate solutions and has chosen the most efficient.

Comments:

Project Programming

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Presentation Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of the software for project development.	Some understanding of the basic use of the software for project development.	Competence in the use of software for project development.	Mastery in the use of software for project development.
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Software Usage Was the software suitable for the project?	Software used was not appropriate for the project	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
Execution/Performance How does well does the program perform?	None of the program executes.	Program executes with some errors. Program handles few special cases and little testing has been completed.	Program executes with few errors. Program handles some special cases and some testing has been completed.	Program uses solution that is easy to understand and maintain. Programmer has analyzed many alternate solutions and has chosen the most efficient. Programmer has included the reasons for the solution chosen.
Efficiency How efficient did the operations function to achieve the solution?	Program was not efficient.	Program uses logical solution that is easy to follow but it is not the most efficient. Programmer has considered alternate solutions.	Program uses an efficient and easy to follow solution (no confusing tricks). Programmer has considered alternate solutions and has chosen an efficient one.	Program uses outstanding solution that is easy to understand and maintain. Programmer has analyzed many alternate solutions and has chosen the most efficient.

Comments:

Robotics

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

AREA	None	Some	Most	Mastery
Presentation Does the student demonstrate a thorough understanding of all design elements of the project?	No understanding of the elements that make up the project.	Some understanding of the elements that make up the project.	Competence in understanding the elements that make up the project.	Mastery in understanding all of the elements that make up the project.
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Software Design Was software design efficient and focused on solving the stated task?	No part of the software was focused on the stated task.	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
Hardware Design Were all parts of the design focused on solving the stated task in an efficient manner?	Not part of the machine is focused on solving the stated task.	Project has many non-functional parts or parts that have nothing to do with solving the stated task..	Project has SOME non-functional parts or parts that have nothing to do with solving the stated task..	Entire machine presented a focused and efficient solution for the stated task.
Performance Does machine perform the stated task in an efficient manner?	Project does not perform the stated task.	Project performs but makes many mistakes.	Project performs well with an occasional mistake.	Project performs the stated or intended task flawlessly.
Autonomous Did machine perform task without any human interaction?	Human interaction and/or remote control required to operate machine after start.	Some human interaction needed for machine to accomplish stated task.	Little human interaction needed for machine to accomplish stated task.	No human interaction or remote control required to operate the machine once started.

Comments:

Web 2.0 Internet Applications

Student Name _____ Grade _____

School _____

Team Member Name _____ Grade _____

Links should work to all student created pages that are internal parts of this site. Because there is NO internet access, links to outside sites will not function and ARE NOT to penalize students.

AREA	None	Some	Most	Mastery
Presentation Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of the software for project development.	Some understanding of the basic use of the software for project development.	Competence in the use of software for project development.	Mastery in the use of software for project development.
Documentation Did the student document non-student produced materials?	No required permissions present.	Some required permissions included, but not all.	Most required permissions included.	ALL required permissions present OR no permissions needed.
Software Usage Did the student use software that was suitable for the project?	Software used was not appropriate for the project.	Some of the software used was appropriate for the project.	Software used was appropriate and enhanced the project.	Mastery in the choice and use of software to enhance the project.
Images Are images present and used appropriately?	No images.	Some images are present, but are poor in quality for any of the following reasons: unrelated to the page, recycled from other pages on the Internet, too big/small in size, poor resolution, poor color quality, or poorly cropped.	Some images are present and are good quality images for these reasons: related to the page, may or may not be student produced, proper size, resolution, colors, and cropping.	Mastery in the use of images for these reasons: enhance the project, strong relation to text, all student produced, proper size, resolution, colors, and cropping.
Mechanics Do the functions of the project work well?	Project does not function due to technical difficulties.	Some technical problems.	Only one technical problem.	Student showed mastery with no technical problems.
Layout How is the page laid out for the viewer?	No consistency with text broken into paragraphs and/or sections	Some consistency with headings label sections and hierarchy.	Most headings and styles are consistent within pages. Text, images, and links flow together.	All headings and styles are consistent within pages. Text, images, and links flow together.

Comments: