

<b>NAME:</b>	<b>DATE:</b>
<b>CLASS:</b> 3D PRINTING	<b>LESSON: DESIGN</b> ANIMAL COMBINATION (TWO CLASSES)

<b>OBJECTIVES:</b>  TO LEARN HOW TO SEAMLESSLY COMBINE TWO DIFFERENT DOWNLOADED ANIMALS FROM THINGIVERSE.	<b>AGENDA:</b>  <ul style="list-style-type: none"> <li>• DO NOW / VIDEO</li> <li>• REVIEW / DISCUSS PROCESS</li> <li>• BEGIN CREATING ANIMAL COMBINATION TOGETHER USING BOTH TINKERCAD AND SCULPT GL</li> <li>• STUDENT WILL HAVE LINK IN THEIR E-MAIL OF THE TUTORIAL VIDEO.</li> </ul>
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**DO NOW:** DEMONSTRATION [VIDEO](#)

1. WHAT IS THE NAME OF THE WEBSITE THE ARTIST USES TO DOWNLOAD STL FILES FROM?
2. WHAT IS THE NAME OF THE SOFTWARE THE ARTIST USES OTHER THAN TINKERCAD?
3. WHAT STEPS DOES THE ARTIST TAKE TO MAKE THE FISH AND THE TIGER HEAD LOOK SEAMLESSLY COMBINED?

**STEPS:**

- SIGN IN TO YOUR TINKERCAD ACCOUNT AND CLICK ON LINK I SENT IN YOUR E-MAIL.
  - FOLLOW THE INSTRUCTIONS ON THE TUTORIAL VIDEO THAT I E-MAILED TO YOU.
  - BE SURE TO MAKE YOUR ANIMAL COMBINATION LOOKS SEAMLESS AND BLENDED.
  - E-MAIL ME YOUR FINAL DESIGN TO ME AS AN STL FILE: (DOWNLOAD, THEN ATTACH YOUR FILE)
    - **EAZCUY@AMSBRONX.ORG**

**REQUIREMENTS:**

1. COMBINE YOUR TWO ANIMALS SEAMLESSLY.
2. USE BOTH TINKERCAD AND SCULPT GL
3. DOWNLOAD AND E-MAIL ME YOUR STL FILE, SO I CAN PRINT IT.

<b>ANIMAL COMBINATION</b>					
	<b>CRITERIA</b>				<b>POINTS</b>
	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	
<b>ELEMENTS AND PRINCIPLES OF ART FOCUSED ON IN THIS PROJECT:</b>  <b>1-SHAPE AND FORM</b>	PLANNED CAREFULLY, SHOWED ADVANCED AWARENESS OF THE ELEMENTS AND PRINCIPLES OF ART. STUDENT WENT ABOVE AND BEYOND EXPECTATIONS.	THE ARTWORK SHOWS THAT THE STUDENTS APPLIED THE ELEMENTS AND PRINCIPLES OF ART AND STUDENT MET EXPECTATIONS.	THE STUDENTS DID THE ASSIGNMENT ADEQUATELY, YET SHOWS A LACK OF PLANNING AND LITTLE EVIDENCE THAT THE ELEMENTS AND PRINCIPLES OF ART WERE CONSIDERED.	THE ASSIGNMENT WAS TURNED IN, BUT SHOWED LITTLE EVIDENCE OF ANY UNDERSTANDING OF THE ELEMENTS AND PRINCIPLES OF ART. NO EVIDENCE OF PLANNING. STUDENT DID THE MINIMUM AMOUNT OF WORK REQUIRED.	
<b>CRAFTSMANSHIP &amp; NEATNESS</b>	ALL ASPECT OF THE ARTWORK WERE CONSIDERED AND PATIENTLY COMPLETED. THE FINISHED PRODUCT IS THE RESULT OF CAREFUL METICULOUS PLANNING. THE CRAFTSMANSHIP IS OUTSTANDING. PROJECT IS PRISTINE AND WELL KEPT.	WITH LITTLE MORE EFFORT IN FINISHING TECHNIQUES, THE ARTWORK COULD BE OUTSTANDING. OVERALL, THE PROJECT IS CLEAN AND WITHOUT MAJOR DEFECTS	THE STUDENT SHOWED AVERAGE CRAFTSMANSHIP; ADEQUATE, OR NOT AS GOOD AS THE STUDENT'S PREVIOUS ABILITIES, A BIT CARELESS. MINOR DEFECTS MAY BE PRESENT.	BELOW AVERAGE CRAFTSMANSHIP, LACK OF PRIDE IN FINISHED ARTWORK. SHOWED LITTLE EVIDENCE OF EFFORT AND/OR A LACK OF UNDERSTANDING. INCLUDES OBVIOUS DEFECTS LIKE FOLDS, RIPS, STRAY MARKS, AND/OR BREAKS.	
<b>TIME &amp; MANAGEMENT</b>	CLASS TIME WAS USED WISELY. MUCH TIME WENT INTO THE PLANNING AND DESIGN OF THE ARTWORK. THE STUDENT WAS SELF-MOTIVATED THE WHOLE TIME SEEKING ASSISTANCE AS NEEDED.	CLASS TIME WAS USED WISELY. SOME TIME WENT INTO THE PLANNING AND DESIGN OF THE ARTWORK. THE STUDENT NEEDED SOME REFOCUSING BUT MANAGED TIME WELL.	CLASS TIME WAS NOT FULLY UTILIZED. LITTLE TIME WENT INTO THE PLANNING AND DESIGN OF THE ARTWORK. THE STUDENT WAS SOMETIMES DISTRACTED OR OFF TASK.	CLASS TIME WAS NOT USED WISELY. LITTLE WENT INTO THE ARTWORK. STUDENT WAS OFTEN OFF TASK AND NOT FOCUSED ON THE PROJECT.	
<b>EXECUTION, ORIGINALITY &amp; UNIQUENESS.</b>	THE ARTWORK WAS SUCCESSFULLY EXECUTED FROM CONCEPT TO COMPLETION, WITH A NOVEL AND ORIGINAL APPROACH.	THE ARTWORK WAS SUCCESSFULLY EXECUTED FROM CONCEPT TO COMPLETION. UNIQUE AND ORIGINAL WITH SOME EVIDENCE FROM SAMPLES.	THE ARTWORK WAS PARTIALLY SUCCESSFULLY EXECUTED, WITH A FEW UNIQUE ASPECTS.	THE ARTWORK WAS BEGUN, BUT NEVER FULLY COMPLETED. WHAT WORK WAS DONE WAS HIGHLY DERIVATIVE OF THE SAMPLES OR OTHER STUDENT'S WORK.	
<b>REQUIREMENTS</b>	ALL REQUIREMENTS ARE MET AND EXCEEDED.	ALL REQUIREMENTS ARE MET.	ONE REQUIREMENT WAS NOT MET COMPLETELY.	MORE THAN ONE REQUIREMENT WAS NOT MET.	
				<b>POINTS X 5 = GRADE</b>	

STUDENT SAMPLES:

