Subject Art Studio		
Grades 3D Print		
Key Learning:		
In 3D Print students will using a CAD program. T both utilitarian and art o understand the math bel form, using correct meas angles. Students will lear overhangs and support s use both additive and su modelling techniques in	They will make bjects. They will hind creating a surements and n about tructures and btractive CAD.	INELLAS PREPARATORY Aratory Academy Curriculum Guide
Standard(s):	Standard(s):	Standard(s):
VA.68.C.1.3, VA.68.C.2.3, VA.68.C.3.1, VA.68.S.1.4, VA.68.S.2.1, VA.68.S.2.3, VA.68.S.3.1, VA.68.S.3.3, VA.68.S.3.4	VA.68.O.1.2, VA.68.O.2.4, VA.68.O.3.1, VA.68.H.1.2, VA.68.H.2.3, VA.68.H.3.3	VA.68.F.1.1, VA.68.F.2.1, VA.68.F.3.4, VAFS.68.WHST.2.4
Unit Essential Question:	Unit Essential Question:	Unit Essential Question:
How can CAD help artists express their ideas? How can we use design principles to organize ideas?	What kinds of things can 3D printing create? How can we use 3D printing to reflect culture and create art?	Do artists have a responsibility to their audiences? How does this art form make us think better? Can 3D printing help me understand other subjects?
Vocabulary:	Vocabulary:	Vocabulary:
Additive, subtractive, 3-dimensional, elements of art and principles of design	union, boolean union, slicing, duplicating, rotations on the X, Y, and	filaments, melting points, pla, abs, build plate, nozzle, heater and fan replacement