

# AMANDA GRUTZA

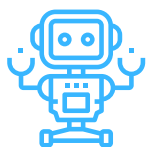
MAKERSPACE/STEM EDUCATOR & CONSULTANT

mail@amandagrutza.com

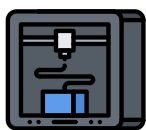
## LETS MAKE SOMETHING GREAT!

My passion is creating innovative and rewarding maker and STEM programs. With an emphasis on engineering and creative problem solving, I am highly adept at creating project based learning experiences that help develop critical thinking skills, as well as offer proficiency with various tools, machinery and software. I have worked with public schools, private companies, and non-profits to design and implement tech programs and create maker spaces. I have coached award winning robotics teams and built projects for the First Lego League, MakerFaire, the Girl Scouts of America and the Boys and Girls Club. Emphasis on Culturally Responsive STEM and the NGSS.

## PRIMARY SKILLSET



ROBOTICS



DESIGN &  
FABRICATION



PROJECT  
BASED  
LEARNING



CREATIVE  
DESIGN  
THINKING



TEACHING &  
CURRICULUM  
DEVELOPMENT



MAKER SPACE &  
LABORATORY  
MANAGEMENT

## CERTIFICATIONS

### EV3 ROBOTICS

CARNEGIE MELLON ROBOTICS

### 3D PRINTING

MAKERBOT

### MAKER, DESIGN & CULTURES

STEM TEACHERS NYC

### DIY STEM

SAMSUNG

## EXPERIENCE

### PORTFOLIO SCHOOL 2019 - PRESENT

Lead Classroom Teacher  
(1st & 2nd Grade)

Instructs students and facilitates their learning in accordance state guidelines through Project Based Learning. Guides students in educational activities designed to promote intellectual, social, and physical growth. Teaches the essential skills that will contribute to students' development as innovative, educated and responsible adults.

### IONYC MAKER SPACE 2016 - 2019

Maker Space Manager

### BOYS & GIRLS CLUB 2016-2018

STEM Facilitator & Tech Lab Manager•  
Curriculum development in conjunction with various partners: NASA, Hofstra University, The Intrepid, BioBus, Jet Blue.

### INDEPENDENT CONTRACTING

Hands on instruction, Curriculum Development, Project Curation & Implementation, Robotics Coach.  
STEM Kids NYC, The Portfolio School, Girl Scouts of America, TEKIntellect, NYC Department of Education