Organization Name: New Technology Made Simple Now Inc

Organization Info

Year Established: 2017
Most Recent 990 Year: 2019
Total Revenue:
Total Expenses:
Philanthropy Hub Profile Created: Yes

Program Snapshot

Program Name: New Tech Now STE²AM Engine Project
Contract Number: 11576
Award Amount: 91173
Expenditures through 9/30/20: %:
Extension Requested: Yes
Type of Program: Out of School TIme/Youth Development
Program Summary: STE²AM Engine is a mobile maker space that provides youth ages 6-18 with educational workshops in Coding, 3D Printing, and Virtual and Augmented Reality skills
Target Population: School-Age: 6-18
Program Staffing:
Subcontracted with Create 3D Models

Program Site(s):

Girls Place	(5201 NW 34th Blvd, Gainesville, FL)
YMCA	(5201 NW 34th Blvd, Gainesville, FL)
CDS Family & Behavioral Health Services Inc	(3615 SW 13th St #4, Gainesville, FL)
Boys and Girls Club	(2661 NW 51st St, Gainesville, FL)
Aces in Motion	(1717 SE 15th St, Gainesville, FL 32641)
Gainesville Housing Authority	(1900 SE 4 St, Gainesville, FL 32641)
Kids Count	(3701 NE 15th St, Gainesville, FL 32609)
Caring and Sharing	(1951 SE 4th Street, Gainesville, FL 32641)
Einstein School	(5910 SW Archer Rd, Gainesville, FL 32608)
MOTIV8U	(4600 NW 143rd ST, GAINESVILLE, FL 32606)
Cultural Arts Coalition Science Club	(321 NW 10th St, Gainesville, FL 32601)
Caring and Sharing After-School Program	(1951 SE 4th Street, Gainesville, FL 32641)
City of Gainesville Parks & Recreation	(306 NE 6 Ave, Gainesville, FL 32601)
Teen Tech Center, Opening Jan 2021	(810 NW 8th Ave., Gainesville)

formerly Oakview Park Center Girls Scout Park

Partner(s): United Way of NCF, Community Foundation of NCF, BOOST Alliance, University of Florida College of Education, University of Florida College of Engineering, SunState Federal Credit Union, The Alachua County Housing Authority, San Felasco Tech City, Florida Farm Bureau, Awesome Foundation, Amazon, Slice Engineering, Malcom Randall VA Medical Hospital, Community Coalition for Older Adults, Alachua County Senior Rec Center, Florida Dept of Education Title IV, Part A, Arts4All Florida, Amazing Give, Reading PALS, University of Florida Storytelling Club, University of Florida GRIP, University of Florida 3D Printing Club, iRobot, Dremel Tools

To be completed by the Providing Agency

How much?	Actual	How well?	Actual	Anyone better off?	Actual
Expected # of children to be served: **180** **Intensity of Services:** **One-time Events** **# of youth participating in workshops** Program has not started serving children yet. Late Oct 2020	0	Average time spent in lessons % of youth served	0	% of youth increase interest in STEM careers	0

Year End Overview

New Tech Now is building a robust network of partners throughout the community to position the Children's Trust of Alachua County and New Tech Now as the leader in technology education for STEAM and Career Development. Upon being awarded $91,413.00 we were poised to make on-site visits to 5 targeted locations in low-income areas throughout the county for Summer 2020. Each site estimated approx 80-100 students in their program totaling between 400- 500 students. Our initial proposal focused our reach to meet a minimum of 360 students. Due to COVID-19 all summer camps were closed to outside visitors. This caused us to cancel all in-person visits that were initially scheduled. We were reluctant to overestimate our reach when we revised our scope so we reduced the target number to 180 students.

With the continued uncertainty and after-school programs being affected by COVID-19 we pivoted to create a hybrid offering. We created short, online training modules that after-school programs can now access and offer remotely. The system is being executed on a Learning Management System (LMS) with secure access and a tracking system for reporting the number of students accessing the content, their basic demographics, average time spent in the lesson and their knowledge of STEM related careers before and after the training. Students watch videos that teach how to design in 3D for careers, then receive their own 3D printed models that they create. Our program supports the online programs Tinkercad, CoSpaces and iRobot's coding platform. With the evolution of distance learning and students experiencing online burn-out, we have continued to work with the organizations to make modifications to our program that meets their specific needs. Our videos are created to support all students including Spanish speaking.

We continue to build a strong network that will allow us to offer our equipment and services to a broader population in Alachua Co. We are in the early stages of piloting programs at several locations with students at brick and mortar sites. We have scheduled training for both the staff and students on 3D technology starting Oct 21st. Our staff training program was recently initiated. Organizations are requesting training so they are more knowledgeable about current technology and able to assist their students. Each host site will have it's own website that staff can access at any time and can be used to onboard new employees. Our STE²AM Engine equipment is operational and ready to deploy once we have received the van through our capital funding.

Organizations include:
United Way, Reading PALS, The University of Florida Storytelling Club - Serve approx 80 students in an after-school reading program to work with volunteers creating interactive digital stories using Augmented Reality software and 3D printers.

Einstein School - Offer digital lessons to students through regular classes that target skills in Math and Science. Approx 40 students

Teen Tech Center, Aces in Motion & BOOST - Create an onsite Makerspace and e-Sports program for teens. Opening Jan 2021

The City of Gainesville Parks & Recreation - Train staff for four City of Gainesville after-school program locations and approx 40 students to 3D Print, design for Virtual Reality and Coding Robots

New partnership with iRobot to bring affordable Robotics and simulations to students with and without access to computers.

New Tech Now has been mindful of the present situation and that everyone caring for children during this time of uncertainty is facing many challenges. With COVID-19 guidelines changing daily we made the decision to use the time wisely by asking child care providers how we can best serve them moving forward. In our research we have found that providers need programming and they need technology more than ever. The need has shifted from our original proposal to a more flexible program that is tailored to smaller PODs of students. We have found that staff and teachers are more eager to learn technology skills than they were in the past. We have learned that parents and teachers are understanding how valuable an education in technology is and we are seeing first-hand how deep the digital divide really is in our community.

New Tech Now is grateful for the extension to continue services. We are confident that we will meet our goal of reaching 180 students. We often hear from students after taking our classes that they have never been exposed to the technology we offer and can see future careers in STEM. We are optimistic that January 2021 will be a safer environment for everyone and that the STE²AM Engine will be able to visit sites in person.

Summary

- Establish CTAC and New Tech Now as the leader in Technology Education and Career Development
- Reach 180 students, closing the gap on the digital divide
- Create Spanish and English versions of Synchronous and Asynchronous online technology training focusing on STEM careers for 6-18 year old students
- Create a secure and trackable Learning Management System (LMS)
- Provide distance learning and in-person workshops allowing students to access advanced technology software and equipment
- Offer professional development resources and staff onboarding for future tech growth within youth organizations
- Collect data from interviews with after-school providers, teachers, and parents
- Collaborate with 14 youth providers in Alachua Co and continue expansion to additional organizations
- Establish pilot programs that focus on STEAM + Literacy
- Contribute our technology resources to partners in need
- Purchase the STE²AM Engine van and install equipment

United Way - STE²AM Engine Collaboration

BRING STORIES TO LIFE

3D, Virtual and Augmented Reality

Volunteer Guide

Goals:

- Get young children excited about reading
- Make reading fun and interactive
- Use technology to improve early years literacy
- Enhance the physical book rather than replicate it.

Steps to Create and Develop an Interactive Story

Create an interactive story with your Reading Pal. Allow them to use their imagination to tell you their favorite story. You will be recreating their story using 3D software to bring it to life. Students will use storytelling skills to communicate visual details. Feel free to expand your own creative skills to enhance the story and engage the viewer in the final project.

STEP 1:

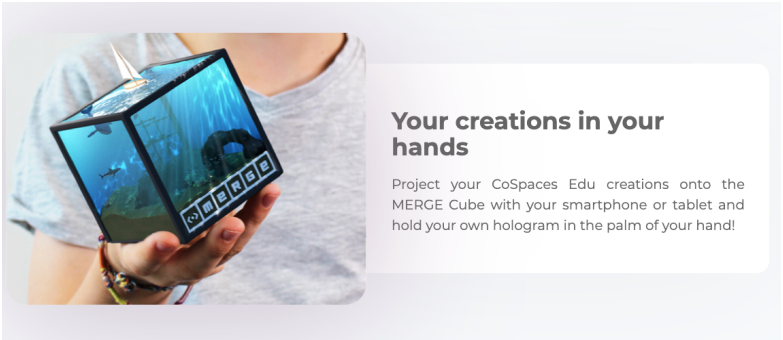
Create a CoSpaces.io account
To access a PRO account for 30 days use this code to start
COSCreate3Dtrial

STEP 2:

Once you create an account there is a welcome tutorial. Go through the tutorial to get comfortable with navigating the space and using the tools. Explore the CoSpaces platform to see all the characters and environments available for creating stories. This will help you direct your Pal in creating a story that matches the CoSpaces assets.

STEP 3:

Once you have had some time to experience the possibilities (and limitations) of CoSpaces, determine a plan for how to get started with your Pal.
The ultimate goal is for you to help develop a story that can be viewed on a Merge Cube and have components that can be 3D printed. To make your own Merge Cube for testing cick here to print one at home.



ReadingPals

United Way of North Central Florida

CAMPAIGN FOR CHILDREN'S TRUST OF ALACHUA COUNTY

NEW TECHNOLOGY Made Simple Now

NewTechNow.org

For more information contact us at Programs@NewTechNow.org 857-331-5018

FREE

DIGITAL DESIGN SERIES

MAKING THE FUTURE

Project STE²AM Engine

New technologies are transforming how we make things, share things and express ourselves. Being aware of new software and hardware allows us to make anything we can imagine!

Join us for

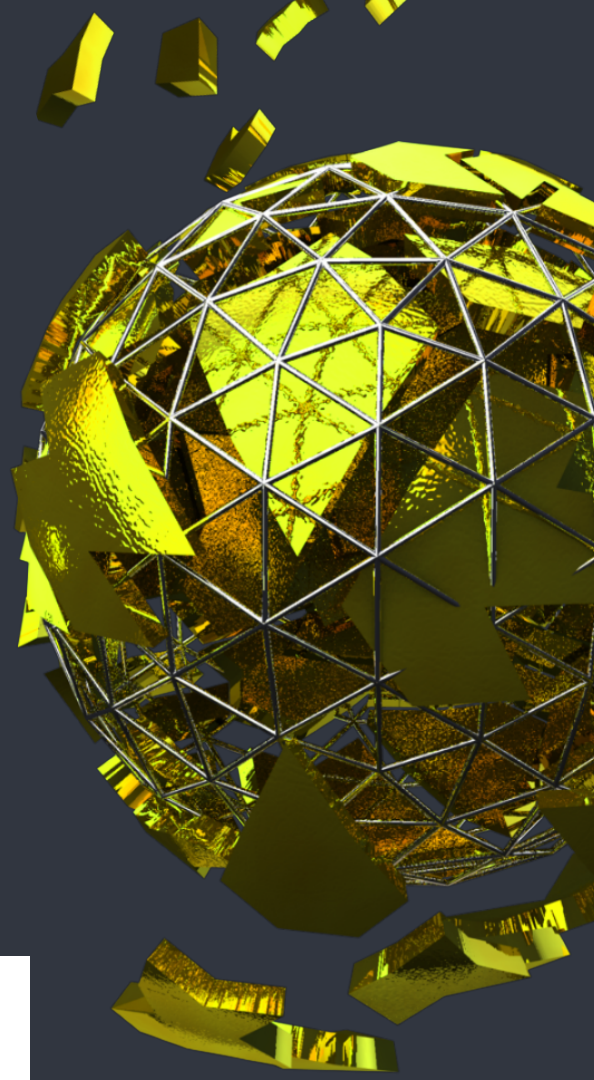
VIRTUAL, HANDS-ON WORKSHOPS TO LEARN

- COMPUTER-AIDED DESIGN (CAD)
- VIRTUAL REALITY GAME DESIGN
- BASIC CODING & ROBOTICS

The Digital Design Series consists of four, 1-hour, virtual workshops that will teach the basics of 3D design. You will have a solid foundation for understanding the tools you need to design for a 3D printer, computer, mobile device, virtual reality headsets, and code for gaming.

After completing the classes you will have the opportunity to print your design on a 3D printer or display 3D models in augmented reality from a mobile device.

Students will need access to a computer or laptop and wifi



Brought to you by:

CAMPAIGN FOR CHILDREN'S TRUST OF ALACHUA COUNTY

NEW TECHNOLOGY Made Simple Now

Contact:
Programs@NewTechNow.org
NewTechNow.org
857-331-5018

WANT TO LEARN HOW TO 3D PRINT....

BEGINNER DESIGN SERIES

and make a 3D model that is yours to keep?

FREE

VIRTUAL, HANDS-ON WORKSHOPS

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- VIRTUAL REALITY GAME DESIGN
- BASIC CODING

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* Students will need access to a computer or chromebook

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YOU ARE UR IMPT IMPORTANT™

MOTIV8U™ INFINITE HOPE

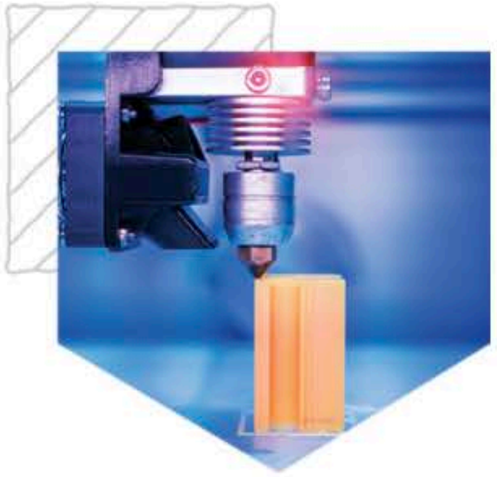
NEW TECHNOLOGY Made Simple Now

CAMPAIGN FOR CHILDREN'S TRUST OF ALACHUA COUNTY

IT STARTS IN PARKS

The City of Gainesville Parks, Recreation and Cultural Affairs Department

Introduction to 3D Printing



Training Resources

Introduction to 3D Printing

Instructor: Janalyn Peppel

Location: Virtual Classroom

Staff Training Date:

Oct 21st, 2020 9:30am -11:30am

Student Workshop Dates:

Tuesday, October 27 3:30pm- 4:30pm
Tuesday, November 3 3:30pm- 4:30pm
Tuesday, November 10 3:30pm- 4:30pm
Tuesday, November 17 3:30pm- 4:30pm

Email – Create3DModels@gmail.com

Create 3D Models Software & Hardware Resources

- Technology - Hardware & Software
- Agenda
- Workshop Description
- Course Objectives
- Please review before Oct 21st.
- Downloads & Ideas