

PERFORMANCE BASED CONTRACT GUIDELINES

1. WHAT IS THE PURPOSE OF THE SERVICE?

(Describe in detail any services to be provided or materials to be purchased)

To provide educational, fun and confidence-building technology enrichment classes to students. Computer Adventures will provide onsite technology instruction to School 16, School 23 and Boyce Thompson. The technology topics includes the following:

- Robotics
- Coding/Programming
- Keyboarding
- Minecraft Education
- Animation
- Computer Game Programming

Laptops, projectors, webcams, headphones and internet WIFI access will be provided by the school/district. In addition to providing the instructors, Computer Adventures LLC will verify the laptops compatibility, configure the settings and install the software on the laptops.

Course description listed below:

Robotics

Learning about robotics engages students' natural curiosity, and helps them develop skills and confidence. This course offers exciting introduction to robotics through building models and using a computer to program the models' behavior. Students work with programmable smart hub, motor, sensors and various elements to build and program models such as helicopter, truck, gorilla, frog, dolphin, caterpillar and more. This course offers hands-on activities that ignites students' curiosity, while enhancing their skills in science, math, engineering, technology, and coding.

Coding/Programming

Through the creation of interactive stories, games and animation, students will develop a foundation of programming concepts (such as loops, conditional statements, loops, lists, event handling and more) that will prepare them for higher level programming language. As they create their programs, students learn to think creatively, and reason systematically. This class will be a fun way to be introduced to programming.

Keyboarding

This course will improve students keyboarding skills through a cycle of review, practice, and assess. The lessons focus on proper keyboarding technique (i.e. hand positions), healthy ergonomics habits, and key locations. There are additional activities for practice such as games that are in each lessons that make the typing lessons entertaining. The animated interface and age-appropriate content can be customized. Each student will progress at their own speed. Reports on each student's progress is available.

Student progress will combine games with effective typing skills.

Minecraft Education

Students will navigate the Minecraft world to complete quests, strategize and build creations such as towns/cities, seven wonders of the world monuments, Rube Goldberg machines, and interactive mini-games. Through Minecraft creation, students will visualize Math concepts such as area, perimeter, volume in 3 dimensions, and demonstrate knowledge of ratio, proportion and fractions. Students will also collaborate and communicate with other students to explore, practice digital citizenship, creative thinking, and problem solving skills. Networking, server and client concepts will also be discussed.

Animation

Lights...Camera...Action! Create your story on a storyboard. Design your own movie set with LEGO® mini-figures, bricks, plates and background pictures. Students tell their stories with stop motion animation videos. A simple, user-friendly interface enable students to visually express their ideas by capturing images frame by frame, using various background images, add narration, music and sound effects, make time-lapse movies and edit with paint tools.

Computer Game Programming

Students program their own customized functional arcade-style computer video game. This class will create game elements such as the player, enemies, bonuses, levels, lives, and program object movements. In addition to having fun and gaining a sense of accomplishment, students learn about programming logic, drag-and-drop programming; logical functions such as repeat loops, conditional statements and variables.

2. AMOUNT OF SERVICE

(Set forth all quantities and/or amounts of time required to be devoted to the contract and describe where services are to be provided as specified in Schedule “B”)

Services will be provided to the following 3 schools:

- School 16
 - 6 classes on Monday through Friday to up to 240 students in 2 rotations
 - 147 days from Sept 2018 through June 2019
- School 23
 - 2 classes on Tuesday, Wednesday and Thursday for 3 days a week for up to 120 students
 - 110 days from Sept 2018 through June 2019
- Boyce Thompson School
 - 2 classes on for Monday and Friday for up to 120 students
 - 67 days from Sept 2018 to June 2019

Payment will be made within 90 days after receipt by the school district of an approved invoice for services rendered.

3. WHO IS SERVED?

(Describe whether services are to be provided directly to students, to staff, etc.)

Services are provided directly to students.

4. WHO WILL PROVIDE SERVICES?

(If individual providers are contemplated, set forth the names and qualifications of the service providers)

Instructors are hired and trained by Computer Adventures LLC (www.computeradventures.com)
All instructors will have finger-printing clearance from NYS Education Department.

5. WHAT WILL BE COMMUNICATED TO DISTRICT PERSONNEL, PARENTS, OTHERS ABOUT PROGRESS AND RESULTS OF THE SERVICES?

(How specifically will the contractor report to the School District (or parents, if applicable) about their progress towards achieving the goals of the contract?)

Monthly reviews/summary for appointed personnel will be available upon request. The reviews can be provided through phone, emails and/or in person.

6. HOW WILL THE QUALITY BE JUDGED?

(Set forth the method which will be used to evaluate contractor’s performance)

The Yonkers School District will use a standardized evaluation for all training sessions delivered. The district will share the results of evaluations with the vendor for feedback and to plan for future training.

7. PERSONS RESPONSIBLE FOR ADMINISTERING THE CONTRACT.

(There must be a single Board administrative employee identified as the person responsible. This person will also be responsible for signing off on contract payments)

CONTRACTOR’S NAME, ADDRESS & CONTACT INFORMATION

Vivian Tai
37 Carlton Drive, Mount Kisco, NY 10549
Office Phone : (914) 218-8175
Mobile Phone: (914) 536-1082
Fax : (914) 363-7755
www.computeradventures.com

CONTRACTOR’S FEDERAL IDENTIFICATION NUMBER

26-4133735

CONTRACTOR’S STATUS (e.g., corporation, individual, unincorporated, etc. and where)

Computer Adventure LLC
NY State MWBE Certified

YPS CONTRACT CONTACT

Dr. Christopher Macaluso
Executive Director of Professional Development

8. ARE THE SERVICES PURSUANT TO A GRANT AGREEMENT? IF YES, WHAT IS THE GRANT AND WHAT ARE THE GRANT REQUIREMENTS RELATED TO THIS AGREEMENT?

Yes, these services are pursuant to the Extended Learning Time (ELT) grant.

The objectives associated with the ELT grant are:

- All schools will improve student outcomes by adding at least 25 percent more time to the academic calendar beyond the current schedule, by extending the school day, school week, school year, or some combination thereof, either district-wide or in selected school buildings.
- 100% of ELT schools will offer a range of high-quality educational, developmental, enrichment, targeted and recreational services for students and their families in core academic areas supporting CCLS;
- School transformation is impacted by teacher participation in professional development and/or in class modeling;
- 100% of ELT schools will offer enrichment and youth development activities such as nutrition and health, art, music, environmental science, theater, technology and recreation;
- 100% of ELT schools will establish and maintain partnerships within the community that continue to increase levels of community collaboration in planning, implementing, and sustaining programs.

9. WILL THE CONTRACTOR BE RECEIVING ANY STUDENT DATA OR OTHER DATA FROM YONKERS PUBLIC SCHOOLS? IF YES, PLEASE DESCRIBE. IF STUDENT DATA IS BEING SHARED, PLEASE PROCEED TO QUESTION 10 BELOW.

No

10. WILL THE STUDENT DATA BE USED FOR THE PURPOSE OF DEVELOPING, VALIDATING, ADMINISTERING STUDENT AID PROGRAMS, OR IMPROVING INSTRUCTION? IF YES, PLEASE SPECIFICALLY DESCRIBE.

No