

Virginia Department of Education Office of ESEA Programs P. O. Box 2120 Richmond, Virginia 23218-2120

A. COVER PAGE

Title IV, Part A, Student Support and Academic Enrichment Grants

2022-2023

Individual Program Application

Due by July 01, 2022

Elementary and Secondary Education Act of 1965 (ESEA), as amended by the Every Student Succeeds Act of 2015 (ESSA), P.L. 114-95

To be Completed by School Division					
Applicant (Legal Name of Agency):	Division Number:	Title IV, Part A, Coordinator:			
Alexandria City Public Schools	101	Dr. Greg Tardieu			
Mailing Address (Street, City or Town, Zip Code):	Phone:	703-619-8162	Ext:		
1340 Braddock Place, Alexandria, VA, 22314	Email:				
	gregory.tardieu@acps.k12.va.us				

LOCAL EDUCATIONAL AGENCY CERTIFICATION

Use of Funds: The applicant designated above applies for an allocation of federal assistance as appropriated under *ESEA*. Funds are available to support local education reform efforts that are consistent with statewide education reform efforts to: 1) provide funding to implement promising education reform programs and school improvement programs based on evidence-based research; 2) provide a continuing source of innovative and educational improvement; 3) meet the educational needs of all students; and 4) develop and implement education programs to improve student achievement and teacher performance.

Specific uses of funds for this application are found in the "Guidelines, Instructions, and Assurances" document.

Assurances: The local educational agency assures that the Title IV, Part A, program will be administered and implemented in compliance with all applicable statutes, regulations, policies, and program plans. Additionally, the local educational agency agrees by signing below to implement the general and program specific assurances located in the application. The assurances and signed cover page are to be retained at the division level.

Certification: We hereby certify that, to the best of our knowledge, the information contained in this application is correct. The agency named above has authorized us as its representatives to file this application, and such action is recorded in the minutes of the School Board meeting held

on may 19,2022	
Superintendent's Signature	Board Chairperson's Signature
Dr. Gregory C. Hutchings	Hon. Meaghan Alderton
Superintendent's Name	Board Chairperson's Name
5/19/2022	5/19/2022
Date	Date

Application Submission, Approval, and LEA Expenditure of Funds: Applications for Federal Funds are due by July 01, 2022. Revisions and Amendments should be submitted in a timely manner.

Please note, in order for the funds to be expendable by July 01, 2022, the electronic application must be received at the Virginia Department of Education by July 01, 2022, through the file submission process of the Online Management of Education Grant Awards (OMEGA) system.

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Place an "X" by the applicable response.

Original

Revision

Revision #

Explain

Explain

Amendment: Amendment # Date:

Х

2022-2023

School Division: Alexandria City Public Schools

Division Number: <u>101</u> APPLICATION INFORMATION

2021-2022 Allocation	2021-2022 Consolidated Yes or No	Eligible Program	2022-2023 Allocation Total
351,567.01	No	Title IV, Part A, Student Support and Academic Enrichment Grant	351,567.01
Т		Transferability (funds transferred out of Title IVA)	0.00
Total A		Total Allocation Available for Title IV, Part A	351,567.01

TRANSFERABILITY

Section 5103(b)(2) of the Every Student Succeeds Act allows LEAs to transfer funds between certain qualifying federal programs. If funds are transferred into or out of the Title II, Part A, program, PRIOR APPROVAL IS REQUIRED, and a separate Transferability approval form must be submitted. The transfer request form is available at <u>Transfer Request Form</u>

1) If funds are to be transferred INTO Title IV, Part A, complete Section A.

A. Program from which funds will be transferred	ТО	Program TO which funds will be transferred:	Amount
Title II, Part A	10	Title IV, Part A, Student Support and Academic Enrichment Grant	

2) Place an "X" next to the federal programs you are requesting funds to be transferred to.

B. Program from which funds will be transferred:		Se	elect program(s) TO which funds will be transferred:	Amount				
			Title I, Part A					
			Title I, Part C					
Title IV, Part A	TO		Title I, Part D, Subpart 2					
The IV, Fait A			Title II, Part A					
	-	_					Title III, Part A	
				Title V, Part B, Subpart 2				
			Total	0.00				

Division Number: 101 **REVISIONS AND AMENDMENTS**

Place an "X" in the first box indicating whether it is a revision or amendment. Enter the date of the revision or amendment. Indicate the tab(s) that have been changed. Provide a concise description of changes (for example, "Programmatic Changes--purchase of additional reading materials, object code 6000; Budget Changes--decreased travel budget in object code 5000 and increased materials to purchase additional reading materials in object code 6000"). When completing an amendment, changes to the program overview may be reflected as additions at the end of the narrative.

NOTE: Any changes to the program budget should first be reflected in an amended application, followed by a budget transfer within 7 business days of approval of the amended application. Budget transfers will not be accepted without an approved amended application reflecting budget changes.

1.	Revision:	Date:		
	Amendment:	Date:		
2.	Revision:	Date:		
	Amendment:	Date:		
3.	Revision:	Date:		
	Amendment:	Date:		
4.	Revision:	Date:		
	Amendment:	Date:		
5.	Revision:	Date:		
	Amendment:	Date:		
6.	Revision:	Date:		
	Amendment:	Date:		
7.	Revision:	Date:		
	Amendment:	 Date:		
8.	Revision:	Date:		
	Amendment:	Date:		
9.	Revision:	Date:		
	Amendment:	Date:		
10.	Revision:	Date:		
	Amendment:	Date:		
11.	Revision:	Date:		
	Amendment:	Date:		
12.	Revision:	Date:		
	Amendment:	Date:		
				Page 3

2022-2023 School Division: Alexandria City Public Schools Division Number: 101 Title IV, Part A, Student Support and Academic Enrichment Grants
B. PROGRAM OVERVIEW (5 PAGES)

The purpose of this subpart is to improve students' academic achievement by increasing the capacity of states, local educational agencies, schools, and local communities to-

1. provide all students with access to a well-rounded education;

2. improve school conditions for student learning; and

3. improve the use of technology in order to improve the academic achievement and digital literacy of all students.

Any local educational agency receiving an allocation in an amount less than \$30,000 may designate funds to any of these areas above. Any LEA receiving an allocation of \$30,000 or greater must designate funds as follows:

- not less than 20 percent of funds to support well-rounded educational opportunities;

- not less than 20 percent of funds to safe and healthy students; and
- a portion of funds for activities to support the effective use of technology.

Special Rule: No more than 15 percent of funds allocated by the school division for activities to support the effective use of technology may be used "for purchasing technology infrastructure as described in subsection (a)(2)(B), which includes technology infrastructure purchased for the activities under subsection (a)(4)(A)." To clarify, LEAs or consortiums of LEAs may not spend more than 15 percent of funding in this content area on devices, equipment, software applications, platforms, digital instructional resources and/or other one-time IT purchases. (ESEA section 4109(b)).

Narrative Boxes

- B. school conditions for student learning in order to create a healthy and safe school environment; and
 - C. c. access to personalized learning experiences supported by technology and professional development for the effective use of data and technology.

The description of the needs assessment should include:

- A. when the needs assessment was conducted;
- B. who participated in the assessment process and determining the division's priorities;
- C. what data was collected and analyzed; and

D. how the identified schools receiving services were identified as meeting one of the following criteria listed under section 4106(e)(2)(A) provided on the Program Specific Assurances tab.

Divisions transferring funds to another federal program must complete a needs assessment for the three Title IV, Part A, categories and describe why funds are of greater need in the identified federal program funds will be transferred to.

Our programming is focused on our elementary and middle schools with the highest needs. All students at these schools have equitable opportunities to participate in all Title IV, Part A programs. We provide a safe and healthy environment for all students to learn, and our programming enhances healthy learning with swim programs, bike programs, and classroom kinesthetic equipment. Our STEM teachers receive professional support and learning for our technology-driven augmented reality programming and lessons.

Our Needs Assessment is never concluded but rather is an ongoing process. We have a steady flow of new students coming into our district, which requires periodic evaluation and analysis of student needs. Our team meets annually for grant application preparation as well as periodically to discuss this grant as well as our ongoing investigation into our needs assessment. We are divided into groups to analyze Division Math and Science scores, English/Language Arts Scores, Attendance, grades, and other factors like FARM Data and SPED Data. This is a continuous, ongoing process. As a group, we discuss our findings and how best to address our greatest needs.

Our Title IV Team is made of 13 people, including teachers, administrators, an administrative assistant, a parent, a CEO of a local nonprofit, and a professor from George Washington University.

20	22	-2	02	23

Division Number: <u>101</u> **B. PROGRAM OVERVIEW (CONTINUED)**

Box 1 (continued):

Box 2: Describe, if applicable, how funds will be used for activities related to supporting well-rounded education.

Our data shows that our elementary students are below the state average in language arts, math, and science. We have expanded programming; we now support K-8 STEM activities to help bridge the gap from elementary to high school. In addition, we provide after-school access to music, choir, and drama lessons for elementary students.

1.Elementary STEM Labs – We continue to expand our pilot programs by providing STEM equipment, supplies including power tools, glue guns, wrenches, hammers, photovoltaic cells, batteries, wires, weather station equipment, STEM supply kits, cabinets for storage, LCD projectors and document cameras for presentations, and maker-space supplies for creative activities. Student projects will be project-based learning that promotes discovery in science, mechanics, physics, astronomy, etc. This equipment and lessons will support the new VDOE science standards.

2.Middle School STEM classes - STEM equipment supplies including power tools, glue guns, wrenches, hammers, photovoltaic cells, batteries, wires, weather station equipment, STEM supply kits, cabinets for storage, LCD projectors, and document cameras for presentations, and maker-space supplies for creative activities. Student projects will be project-based learning that promotes discovery in science, mechanics, physics, astronomy, etc.

3.Elementary and Middle School – Pilot STEM programs with Augmented Reality equipment. Students will be able to experiment with electricity and dissect animals and body parts with the use of this new technology. This programming will enhance and support the new VDOE science standards. 4.Music and Arts Enrichment – Elementary and Middle School students with little or no access/ability to take music lessons after school will now have access to free after-school music programming. In addition to music, we

4.Music and Arts Enrichment – Elementary and Middle School students with little or no access/ability to take music lessons after school will now have access to free after-school music programming. In addition to music, we are adding elementary pilot programs for after-school choir and drama programming. This new programming will also include parent participation. The equipment acquired will be choir risers, wireless microphones, sound systems, enhanced lighting equipment and controls, music and songbooks, play materials, costume supplies, acting/drama supplies, e.g., make-up, wigs, etc. 5.We also provide fine arts enhanced programming during summer school too.

Well Rounded - Equitable Services

The Diocese of Arlington has been focusing on the following areas:

1.STEM classroom equipment/supplies, including remote control projects, computer science projects, Chromebooks, and chargers to support our 3D printing program

2.Power up RC airplane kits

3. Chromebooks with Google Management and 3 yr warranty, and charging cables

4.SPED Support and Supplies, sensory gel letters, burger sequencer stacker, time management timer, coins for learning values,

5.Dell Laptops and Tablets to be used to improve remote learning and assessments

6.Music and Arts Enrichment –music supplies include instruments like ukuleles, recorders, drums, sound equipment, lesson books, and music accessoriesichment –music supplies include, instruments like ukuleles, recorders, drums, sound equipment, lesson books, and music accessoriesichment –music supplies include, instruments like ukuleles, recorders, drums, sound equipment, lesson books, and music accessoriesichment –music supplies include, instruments like ukuleles, recorders, drums, sound equipment, lesson books, and music accessoriesichment –music supplies include, instruments like ukuleles, recorders, drums, sound equipment, lesson books, and music accessoriesichment –music supplies include, instruments like ukuleles, recorders, drums, sound equipment, lesson books, and music accessories.

2022-2023	School Division: Alexandria City Public Schools	Division Number: <u>101</u> B. PROGRAM OVERVIEW (CONTINUED)	Title IV, Part A, Student Support and Academic Enrichment Grants
Box 2 (continued):			
		ies related to supporting safe and healthy students.	We provide Swimming lessons for first and second graders, bicycle lessons,
family cooking and nut			school day. We also provide Special Education remote learning equipment to
Safe and Healthy – Act	ivities		
1. Swimming lessons for	or 1st and 2nd graders at the YMCA		
accordion chairs, wobb 3. Bicycle maintenance	le chairs, wobble cushions, and other fidget-type suppl and replacement upgrades to expand our Healthy Life	ies to encourage movement in class. Students will be able to increase	
Safe and Healthy - Equ	itable Services		
1.Social-Emotional Lea perspectives, and the ca 2.Social-Emotional Pro control, self-regulation, 3.PE/Health focuses on	pacity for conflict resolution. Students will learn to ex gramming to improve school culture by training studen and dispute resolution. Increasingly, students will lear	n to take responsibility for their interactions with others. d movement, classroom equipment to support fidgety students with flo	ssential for their success in life. —resolving emerging conflicts and disputes using rational processes of self-

2022-2023	School Division: Alexandria City Public Schools	Division Number: B. PROGRAM OVERVIE	101 W (CONTIN	Title IV, Part A, Student Support and Academic Enrichment Grants
5.Student Wellness Roc to relieve anxiety, and T exerciser, pop fidget se 6.Trac phone for the cli 7.SEL activities, includ 8.Shishibo stress relieve 9.HEPA filters 10.Folding lunch table	maintaining high-quality cleaning to combat Covid with cle om with art, soothing sand, wireless Bose speakers, and bull Trac phone to mitigate increased phone traffic created by the nsory toys, fidget chair bands, Multi-sensory raised rule pap inic with phone minutes card ling Guest Speakers and supplies for students and teachers	eaning and sanitation supplies letin boards for student communicati e pandemic in-school clinic; beanbag ser, emotion cushions	on needs; stress-1	relieving furniture for the counselor's office, noise-canceling headphones, sensory tools office; noise-canceling headphones, Tangle Therapy, fuzzie fidgets, Cando Digi-flex hand
<u> </u>				
NOTE: instruct		e funds allocated to the effective	e use of techno	ogy. logy category to purchase equipment, devices, software, platforms, digital ve use of technology, then only \$1,800 may be used to purchase technology
Effective Use of Technol	ology includes teacher training and onboarding programmir	ng for new technology and programn	ing provided by	this grant.
We provide Augmented	d Reality equipment to enhance our STEM programming in	K-8. Part of this enhancement inclue	es Profession De	evelopment in Technology to support our teacher's use of this new equipment
Effective Use of Technol	ology - Equitable Services			
The Diocese of Arlingt 1.Not Applicable – non	on has been focusing on the following areas: he chosen.			

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Box 4 (continued):

Box 5: Describe how the local educational agency, or consortium of such agencies, will periodically evaluate the effectiveness of the activities carried out under this section based on such objectives and outcomes.

Teacher leaders of these programs will pretest and posttest students to determine the level of positive impact. Along with the use of testing data, students and staff will receive survey questionnaires to determine the effectiveness of the programs being implemented.

Along with testing and surveys, the ACPS Manager of Grants will visit the classrooms where these programs are being implemented in order to document, take notes and photos, and interview students and teachers. These visits will be unannounced and take place on a weekly basis.

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Division Number: <u>101</u> B. PROGRAM OVERVIEW (CONTINUED)

Box 6: **PROFESSIONAL DEVELOPMENT:** If funds are to be used for professional development, describe how they meet the statutory definition of professional development in Section 8101(42), which requires that professional development be: sustained; intensive; collaborative; job-embedded; data-driven; and classroom focused. Describe the alignment to overarching division strategic goals. (Section 2103(b)(3)(E)) (If funds are not used for professional development, indicate N/A.) Examples of professional development activities may include items from any object code, such as mentors, professional development/instructional coaches, contracted services, conferences, professional learning communities (PLC); leadership development and associated costs.

We have limited "onboarding" for new teachers using Zspace Augmented Reality software. This is for teachers to learn how to navigate new software and access premade STEM lessons.

This does not qualify as professional development as defined by section 8101(42).

C. COORDINATION OF SERVICES

Describe the partnerships within the division among the programs in this application and other federal, state and/or local programs in the delivery of services to the targeted population(s). Describe the collaboration of program staff, parents, and the community to provide services and activities that will contribute to the attainment of the measurable objectives in this application. Describe any partnership with an institution of higher education, business, nonprofit organization, community-based organization, or other public or private entity with a demonstrated record of success in implementing activities.

Our Title IV team is made up of 13 members – teachers, administrators, central office specialists, a parent, and the CEO of a local Nonprofit Organization. The Nonprofit organization is RunningBrooke, and its CEO is Brooke Curran. Ms. Curran raises funds for one main purpose, and that is to get kids moving in school. She relies on the most up-to-date research that supports kids standing, walking, stretching, and moving throughout the day. Research shows that standing up periodically gets blood flushing the brain and keeps kids more alert and more awake. Beyond improving alertness, Ms. Curran is collaborating with our Health and PE Specialists to provide equipment and supplies to create what we call Kinesthetic Classrooms. Rooms that allow kids to fidget quietly without disrupting the class; using wiggle cushions, wobbly chairs, accordion chairs, and bands that strap across the legs of chairs. All help kids wiggle and move without disruption. RunningBrooke has supported ACPS with over \$100,000 to help provide this equipment for students to get moving. We are targeting the elementary schools selected by the Title IV team using our ongoing needs assessment review.

Our partnership with RunningBrooke has been ongoing for over six years now, and in the past year, with the intense need brought on by COVID-19 and the lack of student exercise over the past year, ACPS and RunningBrooke have collaborated more than ever to find ways to get kids moving in a healthy direction.

Division Number: <u>101</u> **D. MEASURABLE OBJECTIVES**

Section 1

Section 4104(a)(2) of ESSA requires that States report the degree to which divisions have made progress toward meeting the objectives and outcomes in their approved applications.

Describe the division's progress towards meeting the measurable objectives. Evidence toward meeting the objective must be reported even if the objective is still in progress or the division was unable to collect all data needed to determine the final outcome. Address each measurable objective for which activities were implemented in the previous year.

Indicate the application year (ex: 2020-2021or 2021-2022) for the measurable objective and include relevant data.

Measurable Objective 1: Bicycles in the Schools

Some of our ACPS schools have bike fleets on-campus utilized through the Health and PE programs. Our current initiative is targeting ACPS 3rd graders with our BITS (Bicycles in the Schools) unit to build competent cyclists in an effort to allow them to safely access their community. We teach basic biking skills to beginner riders, build confidence with our intermediate riders, and aim for mastery of biking skills with our advanced riders. All students also learn road safety rules, signs and signal recognition, and trail riding etiquette. This is an ongoing initiative with the desire to have all our elementary schools participating in the BITS program through PE.

Measurable Objective 2: Kinesthetic Classrooms

Recognizing that our students did not receive as much exercise as they needed during the COVID shutdown, we are continuing to respond to this physical loss with classroom exercise equipment designed to help students exercise as well as give them a brain boost by oxygenating their brains with increased blood flow.

Measurable Objective 3:

Augmented Reality Pilot Programming

Out Title IV has advocated for the implementation of a new and very cutting-edge STEM software and hardware system. This program allows students to see things on a special laptop in 3 dimensions. Students wear what looks like sunglasses and hold a stylus, and they can literally pull a beating heart out of a human skeleton and then open that beating heart right in front of their face. They can investigate all aspects of the heart and manipulate it with this system. They can do the same thing with animal dissection, V-8 engines, and even experiment with deadly electrical currents and not get hurt. Pretesting, post-testing, as well as student and staff surveys will be administered on a quarterly basis.

Measurable Objective 4:

Elementary Science and Math programming

Our elementary students need a multitude of new supportive efforts in science and math. The Covid shutdown and subsequent virtual learning have set our students back. In addition to these setbacks, VDOE is initiating new 5th-grade science standards. We will be supporting teacher professional development with expert consultants as well as providing more hands-on equipment and supplies for student academic enrichment.

2022-2023 School Division: Alexandria City Public Schools Division Number: 101 Title IV, Part A, Student Support and Academic Enrichment Grants D. MEASURABLE OBJECTIVES (CONTINUED)
Measurable Objective 5:
Family Food and Nutrition Classes
Our family cooking/nutrition class to help newcomers to America learn how to shop for vegetables and then how to prepare these new vegetables. Due to covid shutdowns, we started a virtual cooking class. We are now a hybrid model doing both face-to-face and virtual classes. Our Family and Community Engagement team coordinates this program so that we can reach out most effectively to parents. This program works in collaboration with Virginia Tech's nutrition extension program. Parents are surveyed about this program to help determine its effectiveness.
Measurable Objective 6:
Fine Arts
In an effort to support fine arts equity, our programming will provide piano, singing, and drama lessons as well as other fine art support. We have many families who can afford private music and singing lessons which gives them an advantage over other students who enter music classes with no background. Our programming supports those students who show a desire to participate in the arts.
 Section 2 State up to six measurable objectives, each incorporating the four components, that will guide the development of the program to be funded with the requested ESEA federal funds. Describe the evidence-based research that supports the services and activities (programs, models, instructional methods, and techniques) that will be implemented to achieve each objective and that will be supported by the requested funds. What is a Measurable Objective? A measurable objective has four components: Subject (Who is the target or focus?); Behavior (What will be changed/improved?); Specific criteria for assessing improvement, readiness, or achievement and tools to be used to measure effectiveness; and Time period for performance or assessment.
Measurable Objective 1:
Bicycles in the Schools 1)Subject - Elementary 3rd graders 2)Behavior - Students learn to become competent bicyclist in an effort to safely access their community. It is expected that students will show a 10% improvement in knowledge at the end of the unit. 3)Specific criteria for assessing - Students will be pre-assessed and post-assessed regarding the following: a.Knowledge about parts of a bike b.Ability and comfortableness riding a bike c.Understanding of road signs and signals d.How to properly wear a helmet and perform the necessary safety checks before cycling.
Evidence-based research services and activities that will be implemented and supported by the requested funds to achieve the objective:
6 Reasons Why Teaching Bike Riding to Kids is Important https://amyzier.com/blog/6-reasons-why-teaching-bike-riding-children-important/
Research Shows Benefits of Biking https://www.sbbike.org/bikebenefitsresearch
Bicycle Riding and Safety Curriculum http://pccsc.net/wp-content/uploads/2013/08/Rock-Hill-Bike-Curriculum-Final-11-18-13.pdf

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Division Numbers 101

2022-2023	School Division: Alexandria City Public Schools	Division Number: <u>101</u> D. MEASURABLE OBJECTIVES (CONTINUED)	Title IV, Part A, Student Support and Academic Enrichment Grants)
Measurable Objective	2:		
Classroom Brain Boos	st		
 Specific criteria for a. Use of under the dest b. Use of pedal desks c. Use of standing dest 	s will be provided with a variety of classroom exercise assessing - Students will be pre-assessed and post-asse sk pedal exercises	ssed regarding the following:	
		supported by the requested funds to achieve the objective:	
"Classroom Exercise I	Equipment Has Benefits for Students, Studies Show"		
	in motion. Gone are the days when they had to sit still ment welcome, even in math class.	until gym class or recess. Enter some K-12 classrooms across the cour	ntry, and you'll find exercise balls instead of chairs, standing desks instead of
https://www.edweek.or	org/leadership/classroom-exercise-equipment-has-benef	its-for-students-studies-show/2016/08	
"Combining physical a	activity with classroom lessons results in improved test	scores."	
Measurable Objective	3:		
Augmented Reality Pr	ogram		
 Behavior – Student developing conclusion 	15.		ering information, developing models, testing ideas, analyzing data, and

unit pre-and post-assessments.

a.All participating students will receive a pretest and posttest for the lesson of the day. A minimum of 10% improvement in scores is expected. 4) Time period - September 2022 through May of 2023 with quarterly reports of their scores

Evidence-based research services and activities that will be implemented and supported by the requested funds to achieve the objective:

More and more research is being developed in the area of Augmented Reality. Training for various kinds of careers, such as auto mechanics, computers, pilot training, electricians, etc., are all showing an increase in understanding and achievement compared to the control groups using traditional methods.

"Effects of Augmented Reality on Student Achievement and Self-Efficacy in Vocational Education and Training" https://files.eric.ed.gov/fulltext/EJ1178349.pdf

The Research on Augmented and Virtual Reality for the Classroom

https://arvredtech.com/blogs/news/the-research-on-augmented-and-virtual-reality-for-the-classroom

Measurable Objective 4:

Elementary Science and Math Enrichment

Deficiency: ACPS SOL data from 2019 (no data was collected in 2020) shows that 2935 students took the Grade 5 Science SOL, and 1,459 passed, which corresponds with an overall division-wide pass rate of 50%. The most recent ACPS SOL data, Spring 2021, shows that all strands are below 30, indicating a potential area where students may benefit from additional instruction.

Subject: 5th grade Science Curriculum: Technology-Inspired Science Learning Experiences

Behavior: Students will use and code Microbits in integrated STEM learning experiences to apply and learn G5 science knowledge and skills in all strands. Here are a model lesson: Calm LED Lesson Slides Specific Criteria for Assessing: All 5th-grade students will be introduced to technology (Microbits, coding) using varied experiences that also integrate science, engineering, and math. Science content from all strands will be embedded into technology learning experiences. Benchmark data will be used for assessing impact. In May, it is expected that our SOL scores will see a year-over-year improvement of 10%.

Evidence-based research services and activities that will be implemented and supported by the requested funds to achieve the objective:

Science and Math Enrichment

The research is overwhelming that STEM activities positively impact all areas of student learning. This article, "Study Shows Defined STEM has a Positive Impact on Student Learning Outcomes," compared STEM projectbased learning with standard traditional learning. The experimental group far outperformed the standard learning model.

https://images.definedstem.com/PDF/research-summary.pdf

22.		

Measurable Objective 5:
Family Food and Nutrition Classes
1)Subject Parents and students new to America.
2)Behavior: We intend to teach about new healthy foods and how to prepare this food. The goal is to improve family health through healthy foods and cooking. A 10% overall improvement is expected from pretest surveys to
Distensity reverses.
3)Specific criteria for assessing: Parent and student surveys will be used to assess the following:
a.Nutritious Benefits of Vegetables
b.Nutritious Benefits of Fruits
c.Understanding Calories
Evidence-based research services and activities that will be implemented and supported by the requested funds to achieve the objective:
Research supports the efforts being made by schools to teach family cooking classes to improve family health and nutrition. Fast food is very tempting to people new to our country because it is everywhere and can be relatively
inexpensive. The cost of too much fast food is obesity and poor health that comes from poor nutrition. Teaching families new and better foods that are easy to prepare and inexpensive to make can change a family forever.
This article "The effect of culinary interventions (cooking classes) on dietary intake and behavioral change: a systematic review and evidence map." This study found attitudes and behaviors changed. Making food and eating the
food that was taught in the class provides skills and joins children and parents in eating healthy together.
https://bmcnutr.biomedcentral.com/articles/10.1186/s40795-019-0293-8
When Anythe Devices of Many and School to Weither Extend One and the Colling of Device Device strengt
What Are the Barriers at Home and School to Healthy Eating? Overweight/Obese Child and Parent Perspectives https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6752691/
mups//www.acolannani.gov/pno/aucco/roco/roco/
Measurable Objective 6:
Fine Arts Enhancements
1)Subject Elementary and Middle school students
2)Behavior: Students will be afforded the opportunities to participate in after-school and summer school fine arts programming.
3)Specific criteria for assessing: Student surveys will be pre and post surveyed on their increased knowledge and skills in:
a.Music
b.Choir
c.Drama
Evidence-based research services and activities that will be implemented and supported by the requested funds to achieve the objective:
"New evidence of the benefits of arts education"
Engaging with art is essential to the human experience. Almost as soon as motor skills are developed, children communicate through artistic expression. The arts challenge us with different points of view, compel us to

empathize with "others," and give us the opportunity to reflect on the human condition. Empirical evidence supports these claims: Among adults, arts participation is related to behaviors that contribute to the health of civil society, such as increased civic engagement, greater social tolerance, and reductions in other-regarding behavior. https://www.brookings.edu/blog/brown-center-chalkboard/2019/02/12/new-evidence-of-the-benefits-of-arts-education/

"Why Arts Education Is Crucial, and Who's Doing It Best - Art and music are key to student development."

E. BUDGET SUMMARY

Title IV, Part A, Student Support and Academic Enrichment Grants

		-	. DUDGET SUMMAN				
			Title IV, Part A Budget for 2022-2023 Award: \$424A220048 Project Code: APE60281				
				Allocation:	351,567.01		
OBJECT CODE	EXPENDITURE	A. WELL-ROUNDED	B. SAFE & HEALTHY	C. EFFECTIVE USE OF TECHNOLOGY	SUMMARY	DOES THE BUDGET SUMMARY MA DETAILED BUDGET BREAKDO	
1000 -	Administrative (reserve not more than 2 percent for the direct administrative costs of carrying out the division's responsibilities)	2,500.00	2,500.00				
Personnel	Non-Administrative	5,000.00	7,500.00				
Services	Private School Set-Aside						
	Total Personal Services	7,500.00	10,000.00	0.00	17,500.00	Yes	
2000 -	Administrative (reserve not more than 2 percent for the direct administrative costs of carrying out the division's responsibilities)	191.25	191.25				
Employee	Non-Administrative	382.50	573.75				
Benefits	Private School Set-Aside						
	Total Employee Benefits	573.75	765.00	0.00	1,338.75	Yes	
3000 -	Administrative (reserve not more than 2 percent for the direct administrative costs of carrying out the division's responsibilities)						
Purchased/ Contracted	Non-Administrative	45,000.00	15,000.00	2,500.00			
Services	Private School Set-Aside		9,421.25				
	Total Purchased/Contracted Services	45,000.00	24,421.25	2,500.00	71,921.25	Yes	
4000 -	Internal Services		500.00				
4000 - Internal	Private School Set-Aside		500.00				
Services	Total Internal Services	0.00	500.00	0.00	500.00	Yes	
5000 -	Indirect Costs Non-Administrative	0.00	100.00	0.00	200,00	103	
Other	Private School Set-Aside		100.00				
Charges	Total Other Charges	0.00	100.00	0.00	100.00	Yes	
6000 -	Administrative (reserve not more than 2 percent for the direct administrative costs of carrying out the division's responsibilities)		100,00	0.00	100.00	10	
Materials	Non-Administrative	179,891.75	51,261.08	0.00			
and Supplies	Private School Set-Aside	7,183.80	21,870.38				
	Total Materials and Supplies	187,075.55	73,131.46	0.00	260,207.01	Yes	
8000 -	Non-Administrative						
Capital	Private School Set-Aside						
Outlay	Total Capital Outlay	0.00	0.00	0.00	0.00	Yes	
		240 140 20	108 017 71	2 500 00	251 567 01	**Reflects 15% max allowed for technology, equipment, devices, and	375.00
	TOTAL SUBGRANT BUDGET	240,149.30	108,917.71	2,500.00	351,567.01	software in Technology area.	375.00
	TOTAL SET-ASIDE SUBGRANT BUDGET	2,691.25	2,691.25	0.00	5,382.50	Are the administrative charges less than or equal to 2% of the allocation?	Yes
	TOTAL PRIVATE SCHOOL SET-ASIDE SUBGRANT BUDGET	7,183.80	31,291.63	0.00	38,475.43	Does the Private School Set-Aside Match the Value of Services on the Private School tab?	Yes
	IS THE ALLOCATION \$30,000 OR GREATER? IF "YES," MANDATORY DISTRIBUTION OF ALLOCATION APPLIES.		Yes				
	IF ALLOCATION IS \$30,000 OR GREATER, DOES THE ALLOCATION MEET MINIMUM REQUIREMENT FOR EACH AREA?	Requirement Met	Requirement Met	Requirement Met		Does the Budget Summary Match the Total Allocation?	Yes
	Notes: (1) Object codes 7000 and 9000 are not used in applica	days has done and the second of the second statements	and the first of the second				

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2022-2023	School Division: Alexandria City Public Schools	Division Number:	<u>101</u>	Title IV, Part A, Student Support and Academic Enrichment Grants				
	F. DETAILED BUDGET BREAKDOWN							
1	8 8 9		Enter the number of each n	easurable objective from the "Narrative" tab the funded activity supports and choose the				
appropriate	category for each expense in the dropdown list under	"Category."						
Does the Det	Does the Detailed Budget Breakdown Match the Total Allocation? Yes							
		DETAILED BUDG	ET DESCRIPTION OF	OBJECT CODE 1000				
Provide a des	scription of the positions supported with funds from this	program. Indicate if any	positions are newly funded un	der this program. Explain the supplementary nature of any new positions. Required if staff				
positions are	to be funded by federal funds.							
Salaries for:								
Administration	of Title IV grant,							
Swim instructo	rs for first and second grader swim lessons,							
Family Cooking	g and nutrition class - coordinators							
After school an	d summer, music, choir, and drama club - coordinators							

Administrative costs are well below the 2% threshold.

Item Description	Measurable Objective	Category	FTEs	Total Cost
Administrative		Well Rounded Education		2,500.0
dministrative		Safe and Healthy Students		2,500.0
Swim Instructors	1	Safe and Healthy Students		2,500.0
Family Cooking/Nutrition Coordinator	5	Safe and Healthy Students		2,500.0
School Nutrition Coordinator	5	Safe and Healthy Students		2,500.0
Cultural Programming Coordinator(s)	6	Well Rounded Education		5,000.0
		Total for Object Code:	0.00	17,500.

2022-2023 School Division: Alexandria City Public Schools Division Number: 101 DETAILED BUDGET DESCRI	Title IV, Part A, Studer PTION OF OBJECT CODE 2000	at Support and Academic Enrichment Grants	
Indicate the fixed charge categories (such as FICA, health insurance, etc.) and specify the amount of each.			
Object 2000 is .075 multiplied by Object 1000 totals. Administration has been separated in order to recognize and remain un	der the 2% threshold.		
them Den is it	Manager bl. Oli - si	Cete	Tetal C
Item Description Administrative	Measurable Objective	Category Well Rounded Education	Total Cost
			191.25
Administrative		Safe and Healthy Students	191.25
Swim Instructors	1	Safe and Healthy Students	191.25
Family Cooking/Nutrition Coordinator	5	Safe and Healthy Students	191.25
School Nutrition Coordinator	5	Safe and Healthy Students	191.25
Cultural Programming Coordinator(s)	6	Well Rounded Education	382.50
		Total for Object Code:	1,338.75

2022-2023 School Division: Alexandria City Public Schools Division Number: 101

Title IV, Part A, Student Support and Academic Enrichment Grants

DETAILED BUDGET DESCRIPTION OF OBJECT CODE 3000 Please indicate how these funds will support any services and activities that are described in this application. If program funds are expended for professional development, justify such expenditures by demonstrating a relationship between the proposed expenditure for professional development and the program services and activities described in the application. Well Rounded

•Augmented Reality Online Site Licenses are required to access the necessary resources required by this new technology.

Safe and Healthy

Our FACE Center will be utilized to help with this grant effort to reach our parents who are new to this country. Our Nutrition program is a continuation program to help acclimate new families to America to understand how the grocery store works and learn about all the new and different vegetables available. This family cooking education program sometimes includes food delivery to homes if necessary.

•Special Education continues to reach out to families that have difficulty communicating with schools in a remote environment.

Technology •Augmented/Reality program will provide technical support for teachers to learn about new and innovative technology.

Diocese of Arlington • Mental Health Guest Speakers in response to Covid School shutdown and isolation.

Item Description	Measurable Objective	Category	Total Cost
SPED Online Site Licenses for Remote Learning	4	Safe and Healthy Students	10,000.00
Augmented Reality Online Site licenses	3	Well Rounded Education	45,000.00
Onboarding and Technical Professional Training for Augmented Reality	3	Well Rounded Education	2,500.00
Food Delivery for Family Cooking and Nutrition classes.	5	Safe and Healthy Students	5,000.00
Private Schools - Mental Health Guest Speakers	4	Safe and Healthy Students	6,821.25
Private Schools - Professional Enhanced Covid Cleaning	4	Safe and Healthy Students	2,600.00
		1	
		Total for Object Code:	71,921.25

2022-2023 School Division: Alexandria City Public Schools DET	Division Number: <u>101</u>	Title IV, Part A, Stude PTION OF OBJECT CODE 4000	nt Support and Academic Enrichment Grants	
Provide a description of charges from an Internal Service Fund to other funct	tions/activities/elements of the log	cal government for the use of intergovern	nmental services.	
Printing and copying services for parent outreach flyers.				
Item Description		Measurable Objective	Category	Total Cost
Printing and copying for Family Cooking Classes		5	Safe and Healthy Students	500.00
			+	
			Total for Object Code:	500.00

2022-2023	School Division:	Alexandria City Public Schools
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Division Number: 101

Title IV, Part A, Student Support and Academic Enrichment Grants

DETAILED BUDGET DESCRIPTION OF OBJECT CODE 5000
Provide a description of the expenditures that support the program, including utilities (maintenance and operation of plant), staff/administrative/consultant travel, office phone charges, training, leases/rental, indirect cost, and other. Indirect costs cannot be claimed against capital outlay and equipment.

Private Schools use of a Trac phone to free up increased phone calls.

Item Description	Measurable Objective	Category	Total Cost
ac Phone	Measurable Objective 4	Category Safe and Healthy Students	100.0
		Total for Object Code:	100.0

Division Number: 101

Title IV, Part A, Student Support and Academic Enrichment Grants

DETAILED BUDGET DESCRIPTION OF OBJECT CODE 6000
Provide a description for expenses related to object code 6000 Aderials and Supplies. Include items that are consumed or materially altered when used and minor equipment that is not capitalized. Equipment under

(55,000, including computer equipment, should be reported under this object code unless the LEA has set a lower capitalization inteshold. Indicate the quantity for each item.
NOTE: LEAs may not spend more than 15 percent of the funds allocated to the effective use of technology category to purchase equipment, devices, software, platforms, digital instructional resources, or other
one-time IT purchases.
Wall Bounded

Well Rounded

•We are continuing to expand Augmented/Reality equipment and software into two more middle schools. This will bring equity to our STEM middle school programming.

•5th Grade Science will receive supplemental equipment, microbits, accessories and other supportive supplies to address low SOL scores.

•Music and Arts are expanding into Choir and Drama for after-school programming supplies: music lesson books, keyboards, headphones, benches, wiring, PA speakers, wireless microphones, risers, stage lighting, stage prop construction supplies, wireless remote-control sound system, wired microphones, and miscellaneous accessories for putting on a play.

Safe and Healthy

•Nutrition supplies, cooking materials (pots, pans, utensils, groceries, etc.) for 16 workshops for parents

•Replacement bicycles and supplies to maintain the equipment provided by this grant: replacement parts, tires, inner tubes, chains, tools, oil, etc.

•Creation of a new and innovative programming called "kinesthetic classrooms" that will allow for students to get exercise all throughout the day with treadmills, small trampolines, bike-pedal desks, standing desks, etc. Several different styles of active classrooms will be piloted to determine the best effectiveness.

•Continuation of miscellaneous supplies for 1st and 2nd grader swim lessons

Diocese of Arlington

•Flexible seating to keep safer distances due to Covid, e.g., stand-up desks, wobble chairs, etc.

•OWL Pro cameras for in-person and virtual classes running concurrently

COVID cleaning materials (wipes)

•Creation of a new Student Wellness room for relieving stress and anxiety; supplies include an Ecosphere, soothing sand art, wireless Bose speaker, charger, a bulletin board for student communication, and other miscellaneous setup supplies, chairs, bean bag chairs, rug, etc.

•Trac phone for nursing support due to Covid parent phone calls for contact tracing and other parent outreach needs

·Hepa filters to help reduce Covid virus transmission

•STEM supplies - Sensory gel letters, sequencing stackers, time management timers, plastic coins, RC airplane kit, Dell laptops

•Stress-relieving equipment - shishibo shapeshifting box, emotion cushions Item Description Measurable Objective Total Cost Category Quantity Augmented Reality Equipment Well Rounded Education 74,000.00 Music, Choir, Drama, Fine Arts after school and summer programming 6 Well Rounded Education 87.583.00 Cooking Materials and supplies 5 Safe and Healthy Students 2,000.00 5 Safe and Healthy Students 1,947.23 Pots and pans for parents to use in class. Swimming pool supplies 2 Safe and Healthy Students 1.000.00 Bicycles In the School Program - Bike replacement Safe and Healthy Students 7,000.00 1 37.622.60 Kinesthetic Classroom equipment and supplies 2 Safe and Healthy Students STEM Microbits for 5th grade science 4 Well Rounded Education 20,000.00 Private Schools - Chromebooks and accessories Well Rounded Education 6,000.00 Δ Private Schools - Covid cleaning, student separation supplies 4 Safe and Healthy Students 23,054.18 Total for Object Code 260,207.01

2022-2023	School Division:	Alexandria Cit	v Public Schools

Division Number: 101

Title IV, Part A, Student Support and Academic Enrichment Grants

DETAILED BUDGET DESCRIPTION OF OBJECT CODE 8000

Provide a description for expenses related to object code. All capital outlay expenditures over \$5,000 per unit must be approved by the Virginia Department of Education through the application submission and approval process. If the local school division has established a threshold of a lesser amount, items equal to that amount or greater must be itemized in Object Code 8000. Specify equipment quantities.

Image: state	Item Description	Measurable Objective	Category	Quantity	Total Cost
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