Advanced Placement Computer Science Principles (APCSP) Webinar

LASO Cycle II
Learning Acceleration Support Opportunities Grant

Welcome and Thanks for Joining Today!

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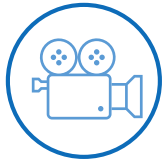
Agenda and FYIs for Today's Webinar

Agenda

1. Welcome and Introductions
2. Overview of the Application process and Timeline
3. AP Computer Science Principles Deep Dive:

   Program description, eligibility, key commitments, scoring, allowable expenditures
4. Next Steps

FYIs



For questions, please drop them in the **Question and Answer** box in Zoom.

A recording of this webinar and a copy of this slide deck will be posted on the LASO website once all the webinars have been conducted.

For follow up questions, please **email** LASO@tea.texas.gov

Overview of LASO Cycle II

AP Computer Science Principles is a part of Learning Acceleration Support Opportunities (LASO) 2.0

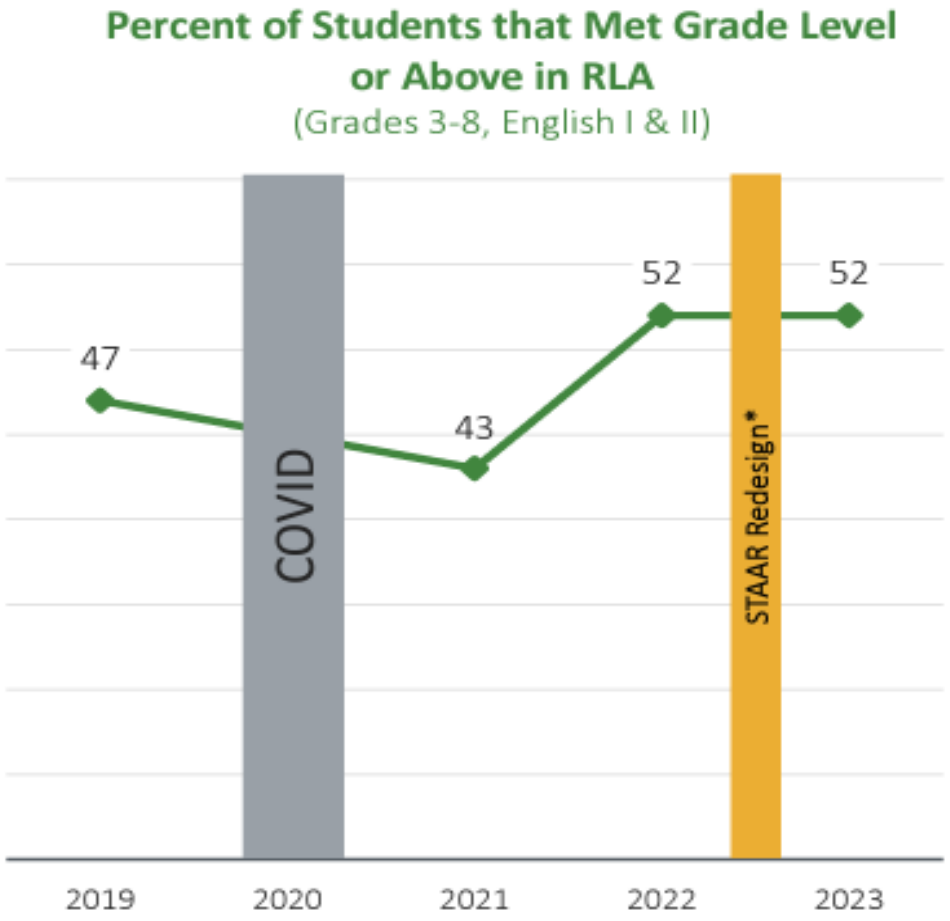
TEA is continuing to offer streamlined, consolidated grant applications, bundling programs that facilitate and accelerate academic gains.

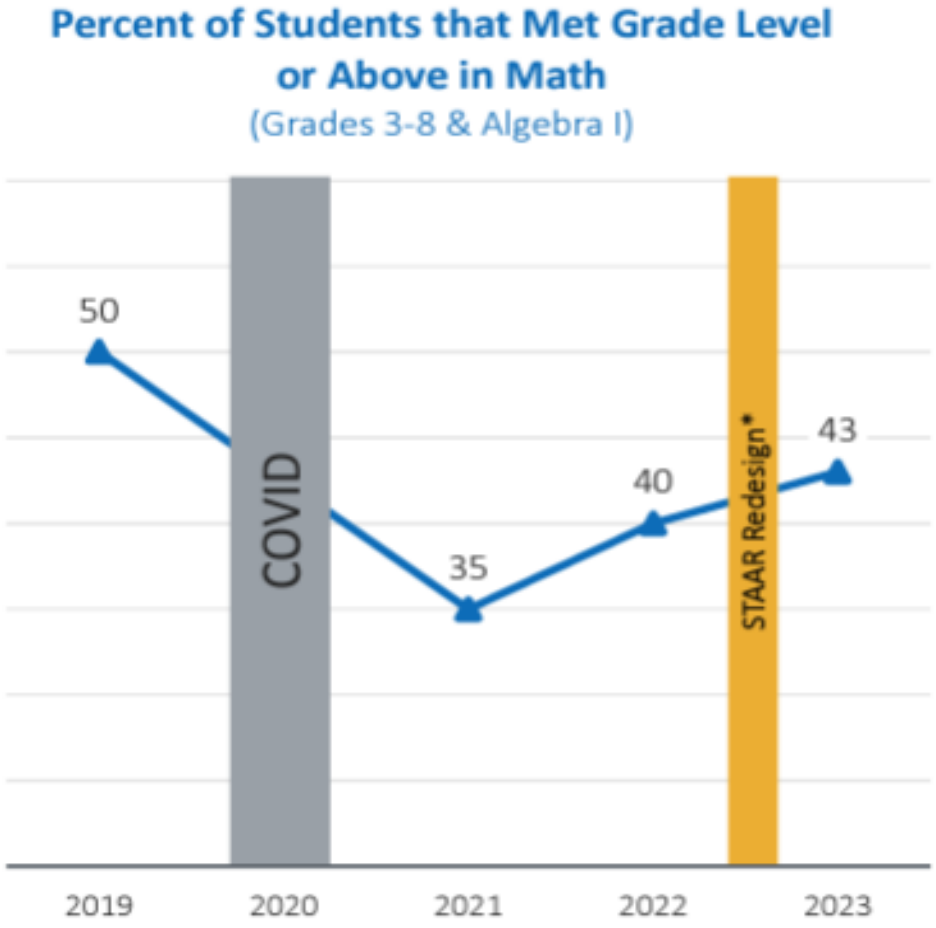
$190.2 Million
in services and supports

10
TEA initiatives to support learning acceleration and innovation

1
LEA program application to access funding

While we have seen a rebound in STAAR RLA and Math results, continued attention is needed toward both Reading and Math to be able to accelerate learning





*The STAAR test was redesigned in 2019 to better align with classroom instruction, which necessitated re-setting of standards and scales from 2022 to 2023.

LASO's Key Learning Acceleration Strategies

LASO 2.0 is grounded in three key learning acceleration strategies

Strategic Planning	Instructional Materials	Teacher Pipelines	More Time	Innovative School Models
				
Strategic planning and performance management to prioritize, launch, and continuously improve learning acceleration strategies	Rigorous, **high-quality instructional materials** designed to make up ground and master grade level TEKS	**Talent pipelines that support teachers** to deliver excellence in the classroom, getting more than 1 year of growth in 1 year	**More time** for the students most in need, including expanding instructional time in the summer and with targeted **tutoring**	**Innovative school models** to incorporate all aspects of the learning acceleration framework

LASO will provide 10 grant opportunities embedded in three learning acceleration strategies

Instructional Materials

Strong Foundations Planning
Ready to plan in SY24-25 and implement in SY25-26
**RLA/Math planning support*

Strong Foundations Implementation
Ready to Implement in SY24-25
**OER K-5 Math/RLA and OER 6-12 Math high quality instructional material implementation support*

Technology Lending Grant
Ready to Implement in SY24-25
**Tablets, hardware, and internet hotspots for digital instructional materials*

Blended Learning Grant
Ready to Implement in SY24-25
Technical assistance and supplemental curriculum support to design and implementation of a high fidelity blended learning model

Math Supplemental Curriculum Licenses
Launch: Spring/Summer 2024
**PK-12 supplemental online curriculum*

Advanced Placement Computer Science Principles (APCSP)
Ready to Implement in SY24-25
**Curriculum, technology and teacher support APCSP course*

More Time

ADSY Planning & Execution Program: Summer
Ready to Implement in SY24-25
**PreK-5 planning and implementation support to design evidence-based summer learning program*

More Time

ADSY Planning & Execution Program: Full Year
**PreK-5 planning and implementation support for a full calendar and master schedule redesign. Ready to Implement SY 24-25*
Now included as one of the options in School Action Fund!

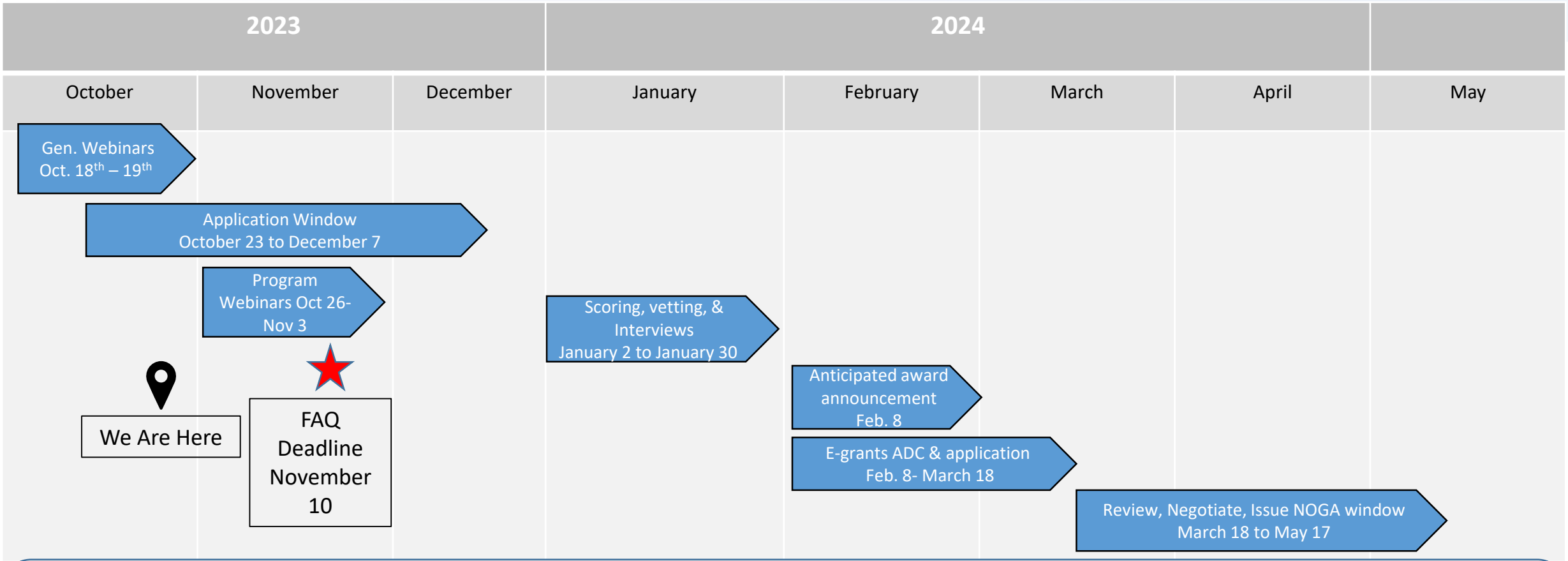
Innovative School Models

Pathways in Technology Early College High School
Planning Year | SY24-25
Implementation Year | SY 25-26
**provides opportunities to students to earn certifications*

Early College High School
Planning Year | SY24-25
Implementation Year | SY 25-26
**provides opportunities to students to access higher ed courses*

School Action Fund
Ready to plan in SY24-25
** support in planning and implementing whole-school models to address chronic underperformance and unmet community needs*

Timeline and Application Process

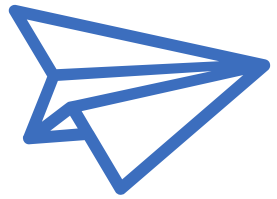


Key Considerations

- **Application** | opens on October 23rd and closes on December 7th at 5:00 pm. LEAs have 45 days to complete the consolidated application
- **Scoring and Interview** | Runs from January 2nd to January 30th . This window allows TEA to score applications and reach out to as needed, to provide a two-way opportunity to determine readiness and fit.
- **NOGA** | There is a 60-day window for NOGA issuing. The process will start on March 18th and culminate on May 17th. LEAs can receive their NOGA at any time between that window. Note, the NOGA can only be issued once the LEAs certifies and submits their budget in the e-grants system. If there is a delay in LEAs submission, that may impact the NOGA date.

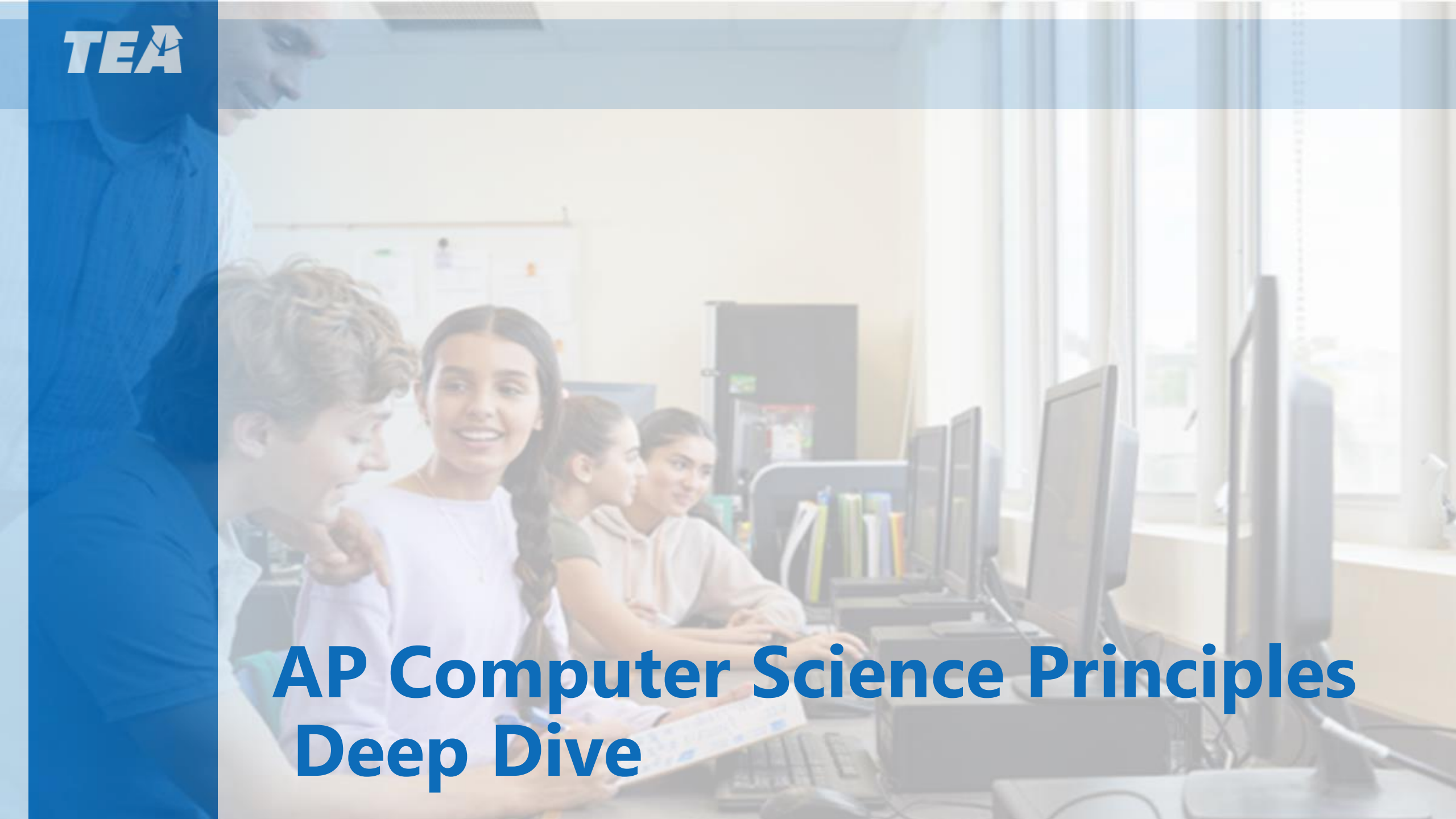
Application is open from October 23rd to December 7th

- Based on LEA feedback, our application window has moved earlier to avoid semester testing & holiday breaks.
- A **unique application link was emailed** to LEA superintendents on October 23rd.
- If the LEA is unable to receive the application link in the superintendent email, LEAs can complete a **form** to acquire a new link.
- A **PDF** of the application was posted on the LASO website on October 23rd. However, formal submission of the application must be through Qualtrics. The survey **must be signed by the superintendent** to be accepted.



Change Requests and Declines

- TCLAS was unique in the aspect of the funding source (ESSER) and the speed at which we were operating to distribute the funding.
- Therefore, to accommodate the unique circumstances of TCLAS, change requests and decline options were provided to LEAs.
- Since we are no longer operating under the unique circumstances of TCLAS, we are returning to a traditional grant process to ensure equity and fairness.
- LASO is again anchored in the informal discretionary competitive grant process.
- Declines and change requests are not advisable in typical competitive process.
- If declines are requested, they will be considered on a case-by-case basis for the LEAs and could raise the LEA's federal grant risk level in the coming year.



AP Computer Science Principles Deep Dive

AP Computer Science Principles (APCSP) High Level Grant Overview

Instructional Materials

Rigorous, **high-quality instructional materials** designed to make up ground and master grade level TEKS

Total Funding Available	$1.2 Million
Range of Award	Up to $100,000
Total Grantees	Up to 30 LEAs
Timeline	Ready to Implement for School Year 24-25

AP Computer Science Principles (APCSP) Program Description

- **Computer science is everywhere**, from our smartphones and video games to music, medicine, and much more.
- APCSP can help students **understand** how **computing and technology** shape the world around them
- APCSP will **teach** students to creatively address real-world issues while **using the same tools and processes** that artists, writers, computer scientists, and engineers use to bring ideas to life.

APCSP course Curriculum centered around 5 Big Ideas:

1. **Creative Development** – Students learn how important collaboration is in developing programs and how to use an iterative process in their work.
2. **Data** – Students explore how computers handle data and how data can be used to produce new information and solve problems.
3. **Algorithms and Programming** – Students learn how to use algorithms and abstractions to create programs that solve problems or to express their own creativity.
4. **Computer Systems and Networks** – Students explore how computer systems and networks work and how using multiple computers to divide tasks can speed up processes.
5. **Impact of Computing** – Students examine the effects computing has had on societies, economies, and cultures and consider the legal and ethical responsibilities of programmers.

AP Computer Science Principles (APCSP) Program Description

Purpose

Computer science is the foundation of innovation and represents a high-demand, high-wage career pathway. In 2019, there were 389,000 computing job openings but fewer than 72,000 computer science graduates to fill them. Fortunately, there is evidence to suggest that computer science course offerings in high school may address the labor market shortage.

According to College Board, students who took an Advanced Placement Computer Science Principles (APCSP) course were twice as likely to continue along a computer science pathway. In fact, students who took an APCSP course in high school were three times more likely to major in computer science in college, holding true across various demographics. However, in the 2019-2020 school year, 16% of Texas public schools offered APCSP, and only 6% of rural schools offered APCSP.

To meet workforce demand and provide valuable student pathways, Texas schools can integrate computer science into their course offerings. Rider 74 of the General Appropriations Act, 2023 has directed these funds to be administered via a grant application process determined by the Commissioner in support of technology, teacher training, and other expenses related to offering an APCSP course.

Program Authority

General Appropriations Act, Article III, Rider 74, 88th Texas Legislature

AP Computer Science Principles (APCSP) Program Description

The APCSP grant is offered to increase Advanced Placement course offerings on high school campuses within districts across the state, and the:

- number of students meeting College, Career, and Military Readiness **(CCMR) outcomes**,
- participation and performance of students taking and passing the **APCSP exam**,
- number of **CTE completers** taking an **AP course**,
- number of special populations and **non-traditional students** enrolled in an APCSP course, and
- Preparation of students for success in **computer science related professions**.

This grant opportunity allows an LEA to achieve this by providing funds for staffing, training, supplies, materials, travel, technology and equipment to plan, implement and sustain an APCSP program.

AP Computer Science Principles (APCSP) Eligibility Requirements

Eligible Applicants

- Please refer to the General and Fiscal Guidelines, *Eligibility To Apply*
  - All Local Educational Agencies (LEAs) are eligible to apply.
  - Education Service Centers (ESCs) are not eligible to apply.

AP Computer Science Principles (APCSP) Key Commitments

Application assurances and usage

Statutory Requirements

See the General and Fiscal Guidelines, *Statutory Requirements*.

Per TEC §22.0834, any person offered employment by any entity that contracts with TEA or receives grant funds administered by TEA (i.e., a grantee or subgrantee) is subject to the fingerprinting requirement. TEA is prohibited from awarding grant funds to any entity, including nonprofit organizations, that fails to comply with this requirement. For details, refer to the General and Fiscal Guidelines, *Fingerprinting Requirement*.

AP Computer Science Principles (APCSP) Key Commitments

Application assurances (1 of 3)

If selected, grantees are required to do the following tasks, at a minimum:

1. The LEA assures the appointment of a **primary point of contract** and LEA lead for all grant related activities. The LEA lead will be responsible for ensuring all assurances are met by the LEA, attend grant-related check-ins and webinars hosted by TEA, and communicate with TEA should the primary point of contact leave the LEA during the grant period.
2. The LEA assures participation in an **end-of-grant focus group** upon request. TEA may reach out to request participation of LEA leadership.
3. The LEA assures the **timely submission** of all TEA requested **data** as part of the grant program.
4. The LEA assures the APCSP grant will be managed to build capacity for the LEA, prioritize **marginalized students** in receiving access to the APCSP course, and ensures all course-enrolled **students take the APCSP** exam at **no cost.**
5. The LEA assures the APCSP to be in the **2024-2025 Course Catalog** and the year's master schedule, maximizing the number of students who can take the course. The course description will Identify which program(s) of study the APCSP course will support or expand.

AP Computer Science Principles (APCSP) Key Commitments

Application assurances and usage (2 of 3)

6. The LEA assures the promotion of the APCSP course offering to all students. The LEA will s**trategically and equitably advise** and place students in the course, especially those who might take it as part of a program of study. Course promotion strategies and resources will be reported in a TEA program survey due **August 31, 2024.**
7. The LEA assures the recruitment, identification, and onboarding of **certified teachers** who will participate in APCSP professional development **training, June-August 2024**, in preparation to teach a Fall 2024 APCSP course. Due to the broad and multidisciplinary nature of the course, teachers do not need to have prior computer science experience. A high school **certified teacher of any discipline**, who has the desire, can prepare to teach APCSP by participating in a professional learning experience specifically for APCSP and approved by the College Board.
8. The LEA assures the selected teacher(s) commitment to teaching an APCSP course for at least **two years** after training and participate in LEA provided **mentoring and support opportunities**. A **letter of commitment** from each teacher will be sent to the TEA program manager by **May 31, 2024**.
9. The LEA assures the selection of a **professional development provider** and the development of a schedule that identifies the modality, scope, and sequence of training, mentoring and support for APCSP teacher(s).

AP Computer Science Principles (APCSP) Key Commitments

Application assurances and usage (3 of 3)

10. The LEA assures the selection of an appropriate **course curriculum** prior to the start of the Fall 2024 semester, reporting vendor in a TEA program survey due **August 31, 2024**.
11. The LEA assures the **necessary technology materials and equipment** for successful completion of the APCSP course will be purchased prior to the start of the Fall 2024 semester. Purchases will be reported in a TEA program survey due **August 31, 2024**.
12. The LEA assures **additional learning opportunities** will be planned for students who take the APCSP course, such as work-based learning opportunities, field trips, etc., to encourage students to continue coursework in computer science.
13. The LEA assures support for students in selecting and succeeding in the APCSP course and exam. A student support plan will include how the APCSP course supports the student's program of study or graduation plan and describes a variety of academic support strategies to meet a district goal for student course success and a score of 3 or higher on the APCSP exam. The **student support plan** will be requested in a TEA program survey due **August 31, 2024**.
14. The LEA assures funds will be budgeted so that every APCSP enrolled student can take the next **exam** available at **no cost**.
15. The LEA assures the development of a **sustainability plan** for the course, ensuring the course can continue to be offered after grant funds are no longer available.

AP Computer Science Principles (APCSP) Scoring & Prioritization

See the General and Fiscal Guidelines, *Review Criteria*.

LEAs will be scored along the following criteria, with a maximum of 10 points for each criterion

- The LEA is not currently offering AP courses (10 points)
- The LEA is not currently offering an APCSP course (10 points)
- The LEA is not currently participating in an APCSP grant (10 points)
- The LEA is adding an APCSP course with this grant opportunity (10 points)
- The LEA is adding teachers to be trained to teach the APCSP course (10 points)

Total maximum number of grant-specific criteria points 50 points.

TEA Priority Points Maximum Points

- LEAs in the top quartile of economically disadvantaged students in the state (10 points)
- LEAs that are classified by TEA district type as rural. According to the TEA definition, a rural district has either
  - a. An enrollment of between 300 and the median district enrollment for the state and an enrollment growth rate over the past five years of less than 20 percent; or
  - b. An enrollment of less than 300 students. A list of schools by district type can be found at: https://tea.texas.gov/reports-and-data/school-data/campus-and-district-type-data-search (10 points)

Total maximum number of priority points available 20 points

In the event of a tie, LEAs will be prioritized by prior AP course participation and Economically Disadvantaged percentage.

AP Computer Science Principles (APCSP) Interviews

Interviews will not be conducted as a part of this grant.

AP Computer Science Principles (APCSP) Course Exploration and Course Audit

AP Computer Science Principles introduces students to foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The College Board designed AP Computer Science Principles with the goal of creating leaders in computer science fields, attracting those who are traditionally underrepresented in computer science, and engaging them with essential computing tools and multidisciplinary opportunities

Find resources below to help you complete the AP Course Audit. For more information on the authorization process, please see About AP Course Audit.

APCSP on AP Central

What is AP Computer Science Principles?
The Growth of APCSP
Bring APCSP to Your School
Support for Teachers
Celebrating Diversity in APCSP

Explore the APCSP Course

Course Overview
AP Course Audit
Classroom Resources
The Exam
Professional Learning

Bring APCSP to Your School

This webinar for administrators and potential APCSP teachers addresses the value and structure of APCSP, best practices in course implementation, recruitment strategies for underrepresented students, and more.

AP Computer Science Principles (APCSP) Adopt Ready-to-Use Curricula

College Board Endorsed Providers have approved programs offering curriculum and professional development for AP Computer Science Principles. These providers may be able to deliver additional support to you and your school, including an approved syllabus for your use. If you decide to use a College Board endorsed provider, syllabus simply choose the provider syllabus available for adoption in your AP Course Audit account.

- AIQ
- Apple
- Beauty and Joy of Computing (BJC)
- CodeHS
- Code.org
- CodeCombat
- College Board
- CodeTrain
- CompuScholar
- CS50
- Hello World
- Microsoft MakeCode
- Mobile Computer Science Principles (Mobile CSP)
- NJCTL
- Project Lead The Way (PLTW)
- Rex Academy
- Project STEM
- Skill Struck
- Tynker
- UTeach

AP Computer Science Principles (APCSP) Expenditures Allowable vs Non-allowable

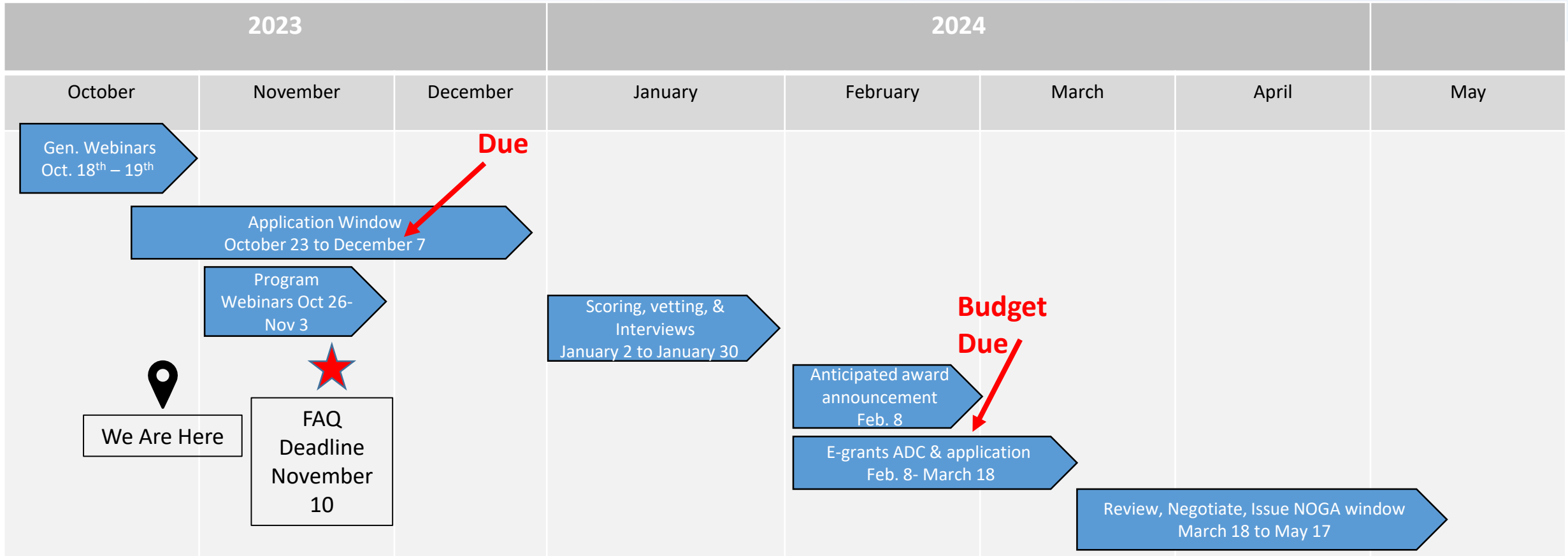
Allowable expenditures/uses	Unallowable expenditures/uses
Salaries for staff working directly on the grant	In general, refer to the Budgeting Cost Guidance Handbook on the Administering a Grant page for unallowable costs.
Professional development and training for teachers	Advisory Council
Supplies and materials for course instruction	Cost of Membership in Civic or Community Organizations
Technology and equipment	Hosting or Sponsoring of Conferences
APCSP examinations for students	Out-of-State Travel
Work-based learning opportunities for students taking an AP computer science course	Travel Costs for Officials such as Executive Director, Superintendent, or Board Members
In-state travel for students to Conferences	In addition, unallowable activities and use of funds for this grant may include but are not limited to the following:
Field Trips	Debt service (lease-purchase)
	Audit services for state-funded grants
Travel costs should be minimal and must follow the grantee's written travel policy. Travel for students to conferences will require pre-authorization in writing. To access the pre-authorization form for participant support costs, refer to the Forms for Prior Approval, Disclosure, and Justification page. **Note** Field Trips will require a written justification form to be maintained locally and made available to TEA upon request. To access the Field Trips Justification form, refer to the Administering a Grant page.	

AP Computer Science Principles (APCSP) Performance and Evaluation Measures

The applicant agrees to collect data and report to TEA, when requested, the following mandatory performance and evaluation measures:

- The name of the primary point of contract and LEA lead for all grant related activities will be sent to TEA program manager in an email prior to **March 1, 2024**.
- The APCSP course description as it appears in the **2024-2025 Course Catalog**.
- Strategies and resources used to announce and promote course offering for Fall 2024 will be reported in a TEA program survey due **August 31, 2024**.
- The student support plan will be requested in a TEA program survey due **August 31, 2024**.
- Teacher recruitment plan with schedule for teacher training and support will be requested in a TEA program survey due **August 31, 2024.**
- Teacher 2-year commitment letters and summer 2024 teacher training certificates due **August 31, 2024**.
- End of School year data report of student enrollment in APCSP course each semester with percentages of demographics including race/ethnicity, English Learners, students who are economically disadvantaged, and students with disabilities. The report will include:
  - The number and percent of CTE completers taking an AP course;
  - The number and percent of CTE completers taking an APCSP course;
  - The number and percent of special population and non-traditional students enrolled in an APCSP course
  - The number and percent of students enrolled in the APCSP course that earned credit for the course with a grade of 70 or higher;
  - The number and percentage of APCSP enrolled students who took an APCSP exam; and,
  - The number and percentage of exams with a score of 3 or higher.
- Sustainability plan.

AP Computer Science Principles (APCSP) Timeline



Key Considerations

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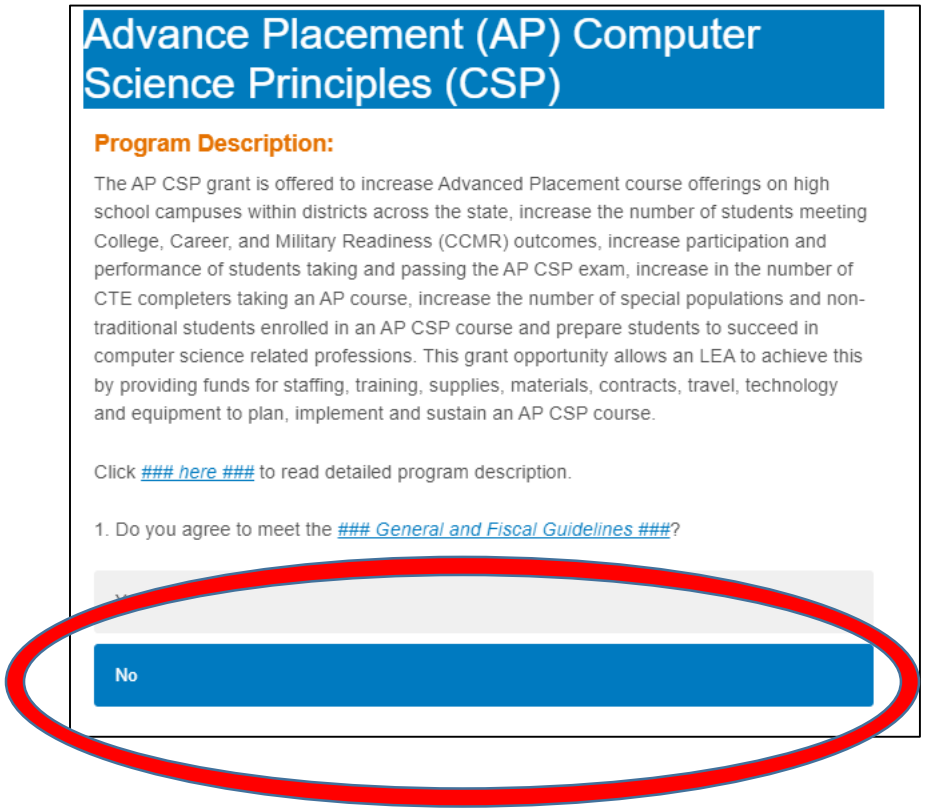
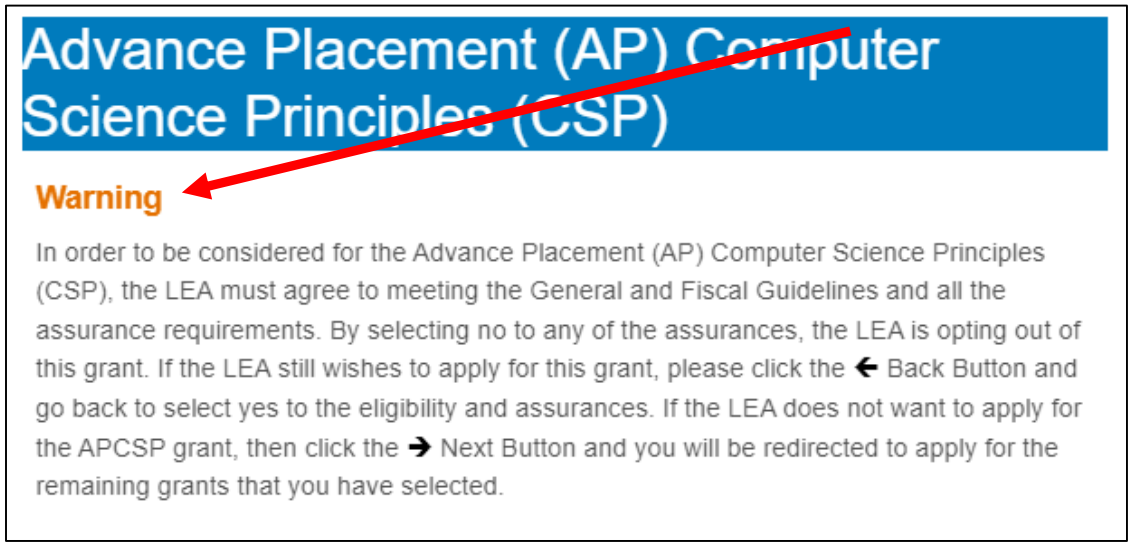
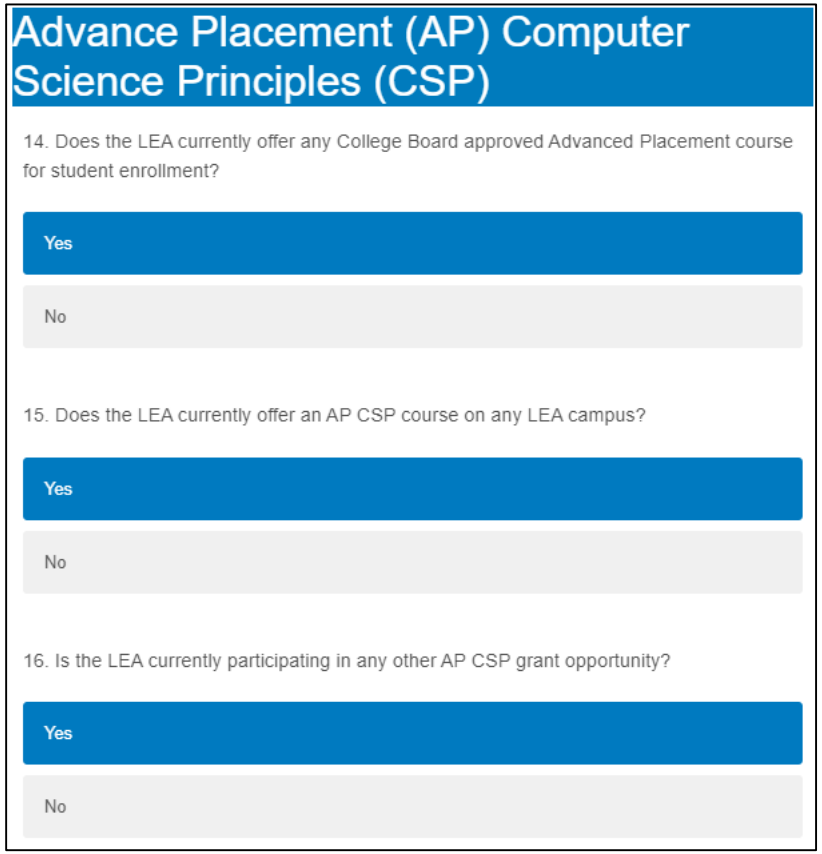
AP Computer Science Principles (APCSP) Application Walkthrough

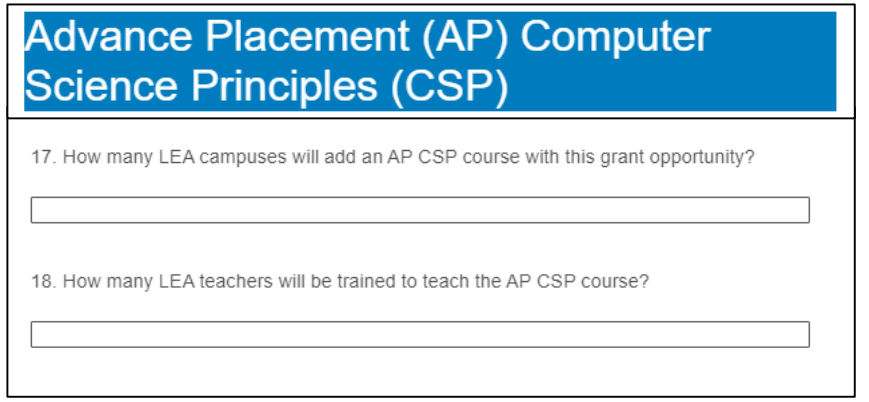




Applicants must agree to all assurances (questions 1-13) in order to receive consideration for the APCSP grant. A “No” answer will present the above warning sign and end the APCSP grant application.

AP Computer Science Principles (APCSP) Application Walkthrough

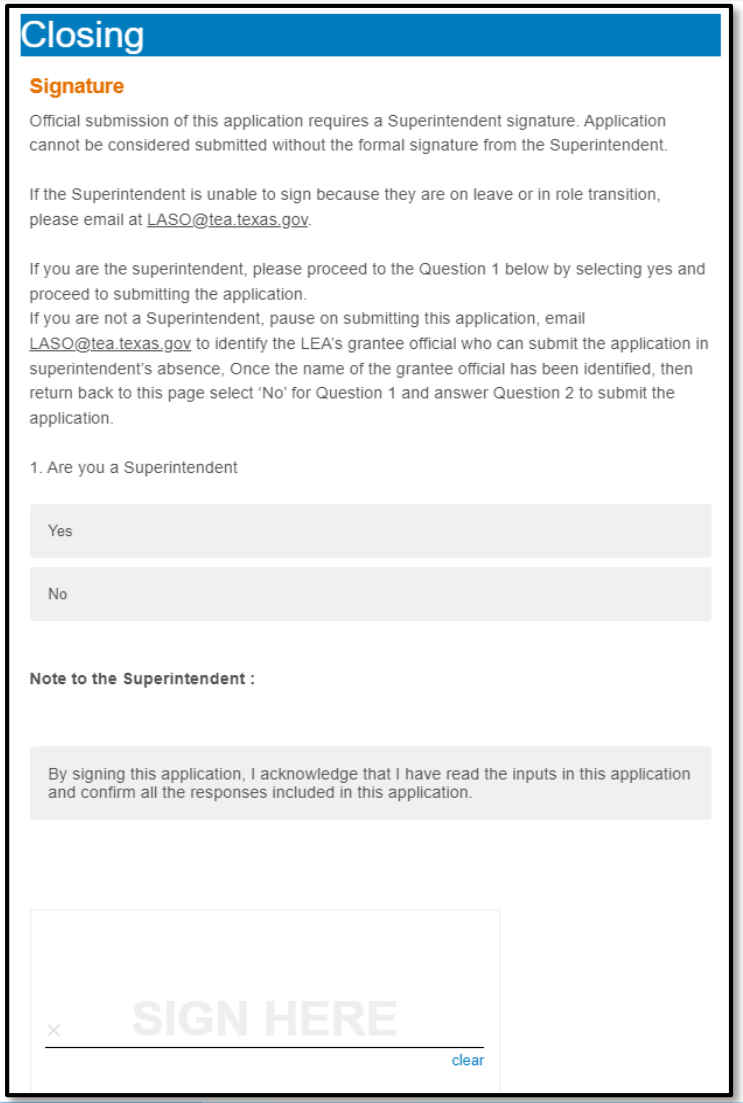




Please include data regarding how many campus will be adding an APCSP course, along with teachers being trained to teach the course.

AP Computer Science Principles (APCSP) Application Walkthrough

- Official submission of this application requires superintendent signature.
- In rare case that the Superintendent is unable to sign, the LEA should email LASO@tea.texas.gov



Closing and Next Steps

Office Hours

- Office Hours are an opportunity to receive further technical support & high-level guidance.
- Office hours topics can include Technical assistance (accessing & submitting the Qualtrics application), referrals to TEA resources, and high-level reviews of dates, timelines, and estimated funding.

Examples:

- An LEA is having trouble logging in to the Qualtrics app and attends for assistance logging into their application.
- An LEA wants to ensure the timeline of a LASO initiative aligns with current district programs.

Office Hours will take place on:

- November 9th 4pm-5pm | Registration Link
- November 10th 9am-10am | Registration Link

Next Steps & Points of Contact

APCSP Points of Contact

- Kay Humes, Statewide Coordinator for Advanced Academics
- Kay.Humes@tea.Texas.gov or advancedacademics@tea.Texas.gov
- LASO: laso@tea.texas.gov

Next Steps

- Review the LASO webpage
- Prepare your questions for Office Hours
- Participate in APCSP Office Hours:
  - November 9th 4pm-5pm | Registration Link
  - November 10th 9:00am-10am | Registration Link
- Revisit the General FAQ.
- Updated FAQ's will be posted by Friday, November 17