

##### Funding Opportunity

Applications Due: **Thursday, October 10, 2019, by 11:59 pm**

Application Information Webinar: **Tuesday, September 17, 2019, 1-2pm**

Letter of Intent Due: **Friday, September 20, 2019, by 11:59 pm**

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| --- |
| **Colorado’s Computer Science Education (CSEd) Grants for Teachers Program:****Elementary State-Directed and District-Determined Funding****Pursuant to: Teacher Grants for Computer Science Education 22-97-101 C.R.S.** |

**Program Questions:**

Chris Summers, Office of Standards and Instructional Support

303-866-6576 | Summers\_C@cde.state.co.us

**Fiscal/Budget Questions**

Brittany Shores, Office of Grants Fiscal

303-866-6911 | Shores\_B@cde.state.co.us

**Application Questions:**

Mandy Christensen, Office of Competitive Grants and Awards

303-866-6250| Christensen\_A@cde.state.co.us

**Table of Contents**

[Introduction 4](#_Toc18938555)

[Eligible Applicants 4](#_Toc18938556)

[Available Funds 4](#_Toc18938557)

[Allowable Use of Funds 5](#_Toc18938558)

[Application Timeline 5](#_Toc18938559)

[Duration of Grant 5](#_Toc18938560)

[Evaluation and Reporting 5](#_Toc18938561)

[Data Privacy 5](#_Toc18938562)

[Technical Assistance 6](#_Toc18938563)

[Review Process and Timeline 6](#_Toc18938564)

[Submission Process and Deadline 6](#_Toc18938565)

[Application Format 7](#_Toc18938566)

[Required Elements 7](#_Toc18938567)

[Part IA: Applicant Information 8](#_Toc18938570)

[Part IB: Program Assurances Form 9](#_Toc18938571)

[Application Scoring 10](#_Toc18938574)

[Selection Criteria and Evaluation Rubric 11](#_Toc18938575)

[Appendix A: Intent to Apply 13](#_Toc18938591)

[Appendix B: Grant Report Offline Guide 14](#_Toc18938592)

[Appendix C: End-of-Year Reporting Guiding Questions 17](#_Toc18938593)

**Note:** The following Word document version of the application is intended only as a reference document for instructions and grant application planning purposes.

Applications for the Computer Science Education (CSEd) Grants for Teachers Program will be submitted online at the link below.

Application:
<https://cde-sis.grantplatform.com/>

Submissions of this version either in hard copy or electronically via email will not be accepted.

# Colorado’s Computer Science Education Grants for Teachers Program

# Applications Due: Thursday, October 10, 2019, by 11:59 pm

# Introduction

Senate Bill 17-296, the Colorado Computer Science Teacher Education Grant Program (CSEd) was authorized by the Colorado Legislature during the 2017 legislative session to support K-12 teacher professional development in computer science.

With the passage of HB 18-1322, an additional $500,000 has been added to this program. An effort championed by the State Board of Education, these funds are specifically intended for computer science professional development for elementary teachers and will be allocated for regional trainings.

This grant program exists to promote the postsecondary education of eligible teachers who teach or wish to teach computer science in K-12 education.

Please use this document as a guide for the online application. Only the online application, signature and assurances form, and the budget form are required.

# Eligible Applicants

Public local education agencies must apply for funds on behalf of teachers. Individual teachers are not eligible to receive grant funding directly from the Colorado Department of Education (CDE).

LEAs are eligible to apply for this opportunity. An eligible LEA is:

* A School District;
* A Board of Cooperative Services (BOCES);
* A District Charter School;
* An Institute Charter School; and
* An Online School.

Applications will not be accepted from individual schools, but must be authorized and submitted through their LEA. A charter school’s authorizer will be the fiscal agent, if funded.

Available grant funding will be distributed to LEAs with school(s) demonstrating high need based on Priority Criteria. Priority will be given to LEP’s:

* Serving students eligible for Free and Reduced Lunch exceeding the statewide average of 42%.
* Serving a high number of minority students exceeding the statewide average of 46.6%.
* Rural or Small Rural LEPs.

# Available Funds

K-12 District Determined: LEP-determined K-12 teacher professional development- Approximately $440,000 is available for district-determined computer science professional development.

Elementary Focused - Option 1: Regional elementary teacher professional development administered by a Colorado Department of Education selected vendor - stipends are available for teachers participating in the regional trainings.

Elementary Focused - Option 2: LEP-determined elementary teacher professional development- Approximately $240,000 is available for district-determined computer science professional development.

# Allowable Use of Funds

K-12 District Determined: Funds may be used for professional development tuition, fees, and/or training program costs, and/or professional development books and/or materials for the teacher receiving training.

Elementary Focused - Option 1: Funds may be used for stipends (up to $150.00, depending on the number of applications received) for teachers participating in the regional trainings.

Elementary Focused - Option 2: Funds may be used for professional development tuition, fees, and/or training program costs, and/or professional development books and/or materials for the teacher receiving training.

# Application Timeline

|  |  |
| --- | --- |
| **September 17, 2019** | Computer Science Grant Application Webinar – 1-2pm |
| **October 10, 2019** | Applications Due to CDE |
| **January 14, 2020\*** | Computer Science Teacher Education Grant applicants will be notified of final award status |
| **September 30, 2020** | Grant funds must be expended by September 30, 2020 |
| **September 30, 2020** | LEPs receiving grants must submit a report detailing the professional development plan, budget, and effects of implementation  |

\*This date is dependent on the State Board of Education meeting schedule.

# Duration of Grant

Grants will be awarded for a one-school-year term in the 2019-2020 fiscal year. Additional grant funding opportunities for subsequent years will be contingent upon annual appropriations by the General Assembly. Funding will be disbursed by CDE to approved applicants by **January 31, 2019**. Applicants have until **Monday, September 30, 2020,** to expend funds.

# Evaluation and Reporting

Each LEP that receives a grant through the Computer Science Education Grants for Teachers Program is required to report, at a minimum, the following information to the Department on or before **Wednesday, September 30, 2020**:

* Number of teachers who benefitted from the grant;
* The outcomes of the grant, including the postsecondary courses, degrees, training programs, or industry-recognized certificates completed and the education provider that provided the education;
* The amount of funding each grantee dedicated toward allowable expenses, including tuition, fees, training programs, books, and/or materials on behalf of teachers; and
* The expected impact of the additional teacher training and education on students.

See **Appendix B** for the 2020 End-of-Year Program Report Questions. See **Appendix C** for 2020 End-of-Year Guiding Questions.

# Data Privacy

CDE takes seriously its obligation to protect the privacy of student and educator Personally Identifiable Information (PII) collected, used, shared, and stored. PII will not be collected through Computer Science Education Grant for Teachers Program. All program evaluation data will be collected in the aggregate and will be used, shared, and stored in compliance with CDE’s privacy and security policies and procedures.

Please note: Documents submitted must not contain any personally identifiable student or educator information including names, identification numbers, or anything that could identify an individual. All data should be referenced/included in the aggregate and the aggregate counts should be redacted to remove small numbers under n=16 for students or n=5 for educators.

# Technical Assistance

An application training webinar will be held on **Tuesday, September 17, 2019, from 1-2pm**. Register at <https://zoom.us/meeting/register/ca5e295f11cc8bfc7510d14dfea9e911>. Note: this session will be recorded and posted on the website following the presentation.

If interested in applying for this funding opportunity, please submit the Intent to Apply (see **Appendix A**) at [www.surveymonkey.com/r/computersciencegrant\_loi](https://www.surveymonkey.com/r/computersciencegrant_loi) by **Friday, September 20, 2019 at 11:59 pm**.

LEAs receiving a grant may request technical assistance from CDE staff for the duration of the grant.

# Review Process and Timeline

Applications will be reviewed by CDE staff and peer reviewers to ensure they contain all required components.

**Note:** This is a competitive process - applicants must score at least 60 points out of the 84 possible points to be approved for funding (see the Selection Criteria and Evaluation Rubric). LEAs with applications that score below 60 points may be asked to submit revisions that would bring the application up to a fundable level. There is no guarantee that submitting an application will result in funding or funding at the requested level. All award decisions are final. Applicants that do not meet the qualifications may reapply for future grant opportunities.

The State Board of Education will approve grant recommendations by January 9-10, 2020. Applicants will be notified of final award status no later than **Monday, January 14, 2020**.

# Submission Process and Deadline

Completed applications must be submitted online at [https://cde-sis.grantplatform.com](https://cde-sis.grantplatform.com/) by **Thursday, October 10, 2019, by 11:59 pm.**

Within the online application, applicants must upload the signed assurances page and the electronic Excel budget before the online application can be submitted.

Incomplete or late applications will not be considered. If you do not receive an email confirmation of receipt of your application within 24 hours of the deadline, please email CompetitiveGrants@cde.state.co.us. Application materials and budget are available for download on the CDE website at: [www.cde.state.co.us/coscience/computerscience](http://www.cde.state.co.us/coscience/computerscience).

|  |
| --- |
| Submit the electronic application, including all attachments, online at[**https://cde-sis.grantplatform.com**](https://cde-sis.grantplatform.com)By **Thursday, October 10, 2019, at 11:59 pm** |

# Application Format

* The application must be completed online with attached signature form, assurances form, and budget forms.
* The signature page must include original signatures of the lead organization/fiscal agent.
* If grant is approved, funding will not be awarded until all signatures are in place. Applications may be submitted without signatures; however, please attempt to obtain all signatures before submitting the application.

# Required Elements

The format outlined below must be followed in order to assure consistent application of the evaluation criteria. See evaluation rubric for specific selection criteria needed in Part II (pages 10-12).

K-12 Computer Science Grant:

Part I: Application Introduction (not scored):

Part IA: Applicant Information

Part IB: Program Assurances Form

Part II: Narrative:

Section A: Grant Proposal Summary

Section B: Professional Development Plan

Section C: Budget Narrative and Electronic Budget

Elementary Focus Option 1:

 Part I: Application Introduction (not scored):

Part IA: Applicant Information

Part IB: Program Assurances Form

Part II: Narrative:

Section C: Budget Narrative and Electronic Budget

Elementary Focus Option 2:

Part I: Application Introduction (not scored):

Part IA: Applicant Information

Part IB: Program Assurances Form

Part II: Narrative:

Section A: Grant Proposal Summary

Section B: Professional Development Plan

Section C: Budget Narrative and Electronic Budget

# Colorado’s Computer Science Education Grants for Teachers Program

# Applications Due: Thursday, October 10, 2019, by 11:59 pm

# Part IA: Applicant Information

Applicants will be asked to provide the following information within the [online application](https://cde-sis.grantplatform.com).

|  |
| --- |
| **Lead Local Education Agency (LEA)/BOCES Information** |
| **LEA/BOCES Name:** |  | **LEA/BOCES Code:** |  |
| **Mailing Address:** |  |
| **Recipient Schools**(list all schools impacted by this funding – additional rows may be added) |
|  |  |
|  |  |
|  |  |
| **Authorized Representative Information** |
| **Name:** |  | **Title:** |  |
| **Telephone:** |  | **E-mail:** |  |
| **Program Contact Information** |
| **Name:** |  | **Title:** |  |
| **Telephone:** |  | **E-mail:** |  |
| **Fiscal Manager Information** |
| **Name:** |  |
| **Telephone:** |  | **E-mail:** |  |
| **Grant Information** |
| **Applying for:** | [ ]  K-12 District Determined [ ]  Elementary Option 1 [ ]  Elementary Option 2 |
| **Amount of Funding Requested (FY2019-2020):** |  |
| **OR** |
| **Number of Regional Training Slots Requested** |  |
| **Priority: Check all boxes that apply:**  | [ ]  High Poverty Student Population[ ]  High Minority Student Population[ ]  Rural or Small Rural  |
| **Select the intended use of CSEd grant funds** | [ ]  Secondary Professional Development Plan [ ]  BOCES Hosting Professional Development |
| **How many teachers and students participated in computer science education in 2018-2019? How many teachers and students are expected to participate in 2019-2020 as a result of the grant?**  | 2018-19 Teachers |  |
| 2018-19 Students |  |
| 2019-20 Teachers |  |
| 2019-20 Students |  |

**Note:** If grant is approved, funding will not be awarded until all signatures are in place. Please attempt to obtain all signatures before submitting the application.

# Part IB: Program Assurances Form

*(Complete and upload a scanned copy into the* [*online application*](https://cde-sis.grantplatform.com)*.)*

The appropriate Authorized Representatives must sign below to indicate their approval of the contents of the Computer Science Teacher Education Grant Program application, and the receipt of program funds.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  On | (date) | , 2019, | the Board of |  |

hereby applies for and, if awarded, accepts the state funds requested in this application. In consideration of the receipt of these grant funds, the Board agrees that the General Assurances form for all state funds and the terms therein are specifically incorporated by reference in this application. The Board also certifies that all program and pertinent administrative requirements will be met. In addition, grantees that accept **Colorado’s Computer Science Education Grants for Teachers Program** funding agree to the following assurances:

1. The grantee will annually provide the Colorado Department of Education the evaluation information required on page 5 and in the End-of-Year Program Report (**Appendix B**) of the Request for Proposal.
2. The grantee will work with and provide requested data to CDE for the Grant Program within the timeframes specified.
3. The school will not discriminate against anyone regarding race, gender, national origin, color, disability, or age.
4. Funded projects will maintain appropriate fiscal and program records and fiscal audits of this program will be conducted by the grantees as a part of their regular audits.
5. All records of the program will be retained for five years and access to those records will be available for the purposes of review and audit.
6. If any findings of misuse of these funds are discovered, project funds will be returned to CDE.
7. The grantee will maintain sole responsibility for the project even though subcontractors may be used to perform certain services.
8. If the number of teachers registered to attend the regional trainings do not attend the trainings, the grantee will reimburse the Department the costs of the unattended trainings.

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Name of Board/BOCES President |  | Signature of Board/BOCES President |
|  |  |  |
| Name of District Superintendent/BOCES Executive Director/CSI Executive Director |  | Signature of District Superintendent/BOCES Executive Director/CSI Executive Director |
|  |  |  |
| Program Contact |  | Signature of Program Contact |
|  |  |  |
|  |  |  |

**Note:** If grant is approved, funding will not be awarded until all signatures are in place. Please attempt to obtain all signatures before submitting the application.

# Colorado’s Computer Science Education Grants for Teachers Program

# Applications Due: Thursday, October 10, 2019, by 11:59 pm

# Application Scoring

(CDE Use Only)

|  |  |  |
| --- | --- | --- |
| **Part I:** | **Application Introduction** | No Points |
| **Part II:** | **Narrative** |  |
|  |  |  |  |  |
|  | Section A: | Grant Proposal Summary |  | /20 |
|  | Section B: | Professional Development Plan |  | /44 |
|  | Section C: | Budget Narrative and Electronic Budget Form |  | /20 |
| **Sub-total:** |  | **/84** |
| **Priority Points** |  | **/15** |
| **Total:** |  | **/99** |

|  |
| --- |
| **PRIORITY:** CDE will indicate whether this application met the priority criteria (see page 4 of the RFP).***This application demonstrates:*** |
| **5 Points** | **5 Points** | **5 Points** | **0 Points** |
| LEA with a high percentage of students who are eligible for Free and Reduced Lunch exceeding the statewide average of 42% | LEA serves a high number of minority students exceeding the statewide average of 46.6% | Rural or Small Rural LEA | Does not meet any priority criteria |
|[ ] [ ] [ ] [ ]

**GENERAL COMMENTS:** Please indicate support for scoring by including overall strengths and weaknesses. These comments will be provided to applicants with their final scores.

**Strengths:**

**Weaknesses:**

**Required Changes:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **RECOMMENDATION:** | Funded |[ ]   | Funded with Changes |[ ]   | Not Funded |[ ]

# Selection Criteria and Evaluation Rubric

**Part I: Applicant Information and Assurances (No Points)**

Complete the applicant information section and upload the signed assurances page within the [online application](https://cde-sis.grantplatform.com/).

**Part II: Narrative (84 Points)**

The following criteria will be used by reviewers to evaluate the application as a whole. In order for the application to be recommended for funding, it must receive at least 60 points out of the 84 possible points and all required elements must be addressed. An application that receives a score of zero on any required elements will not be funded.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section A: Grant Proposal Summary**  | **Minimally Addressed or Does Not Meet Criteria*****(information not provided)*** | **Met Some but Not All Identified Criteria*****(requires additional clarification)*** | **Addressed Criteria but Did Not Provide Thorough Detail*****(adequate response, but not thoroughly developed or high-quality response)*** | **Met All Criteria with High Quality*****(clear, concise, and well thought out response)*** | **Total** |
| 1. Provide a brief description of the proposed CSEd funding. The summary must be no more than 500 words and convey the following criteria in a clear and concise manner:
* The need for CSEd funding;
* Types of professional development planned;
* Gaps or weaknesses in the computer science curriculum.
* Major goals for professional development; and
* How grant funds will benefit teachers and students.
* Indicate the first-time applying for the CSEd grant; or
* How additional CSEd grants in 2019-20 will augment the previous impact of 2018-19 CSEd grant awards.
 | 0 | 10 | 15 | 20 |  |
| **Reviewer Comments:** |  |
| **Total** | **/20** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section B: Professional Development Plan**  | **Minimally Addressed or Does Not Meet Criteria*****(information not provided)*** | **Met Some but Not All Identified Criteria*****(requires additional clarification)*** | **Addressed Criteria but Did Not Provide Thorough Detail*****(adequate response, but not thoroughly developed or high-quality response)*** | **Met All Criteria with High Quality*****(clear, concise, and well thought out response)*** | **Total** |
| 1. Explain specifically how postsecondary courses, industry recognized certifications, or robust professional development trainings will support teachers in gaining content knowledge and/or obtaining licensure requirements.
 | 0 | 3 | 7 | 11 |  |
| 1. Describe the criteria used to identify high-quality teacher professional development choices.
 | 0 | 3 | 7 | 11 |  |
| 1. Provide a detailed description of recruitment, support, and/or retention activities. Specifically address:
* Will teachers participate voluntarily;
* What incentives will teachers receive; and
* How teachers will be supported in teaching computer science.
 | 0 | 3 | 7 | 11 |  |
| 1. Describe how the professional development plan will address the computer science education needs related to low-income, minority, and/or rural student populations.
 | 0 | 3 | 7 | 11 |  |
| **Reviewer Comments:** |  |
| **Total** | **/44** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section C: Budget Narrative and Electronic Budget**  | **Minimally Addressed or Does Not Meet Criteria*****(information not provided)*** | **Met Some but Not All Identified Criteria*****(requires additional clarification)*** | **Addressed Criteria but Did Not Provide Thorough Detail*****(adequate response, but not thoroughly developed or high-quality response)*** | **Met All Criteria with High Quality*****(clear, concise, and well thought out response)*** | **Total** |
| 1. Describe how all expenditures contained in the electronic budget connected to the professional development objectives and activities are reasonable and sufficient.
 | 0 | 1 | 3 | 5 |  |
| 1. Clearly address how the funds awarded under the program will be used to supplement the level of funds available for authorized programs and activities, and **will not supplant** any federal, state, local or non-federal funds.
 | 0 | 3 | 7 | 10 |  |
| 1. Describe a clear and well-conceived plan for how the proposed professional development will be continued once the grant dollars have expired. Specifically address:
* How effective computer science teachers will be recruited and retained once grant funds are no longer available.
* How the district has allocated funds to support new computer science courses.
 | 0 | 1 | 3 | 5 |  |
| **Reviewer Comments:** |  |
| **Total** | **/20** |

# Appendix A: Intent to Apply

The Intent to Apply form for the CSEd Grant Program is due **Friday, September 20, 2019, by 11:59 pm**. Submit at [www.surveymonkey.com/r/computersciencegrant\_loi](http://www.surveymonkey.com/r/computersciencegrant_loi).



# Appendix B: Grant Report Offline Guide

***To be completed after award is received, due by September 30, 2020.***

The Colorado Department of Education requires specific information about the use of the CSEd grants. Information about the direct impact grant funds have on teachers and students is essential in communicating the progress of computer science in Colorado. Provide as much information on the following subjects as possible to facilitate the future of the CSEd grant program. Include the following data along with any other pertinent information.

*Please do not include teacher or student names.*

|  |
| --- |
| **District Information** |
| **Local Education Provider** | **Organization Code** | **Grant Cohort** |
|  |  | [ ]  K-12 [ ]  Option 1 [ ]  Option 2 |
| **Computer Science is:** |
| Offered In | Graduation Requirement | Counted as Math/Science Credit |
| [ ]  Elementary School[ ]  Middle School[ ]  High School | [ ]  Yes[ ]  No[ ]  School Determined | [ ]  Yes[ ]  No[ ]  School Determined |
| **Demographics:** |
| **Racial/Ethnic Student Population by Percent** | **Student Socioeconomic Status by Percent** |
| American Indian/Alaska Native | Asian | FRL Eligible | Not FRL Eligible |
|  |  |  |  |
| Black | Hawaiian/Pacific Islander  | Hispanic | White |
|  |  |  |  |
| Two or More Races |  |  |  |
|  |  |  |  |
| **Pre-Grant Computer Science Enrollment Data** |
| **Computer Science Student Gender by Percent** |
| Male | Female | Differently Identified | Total Students Enrolled |
|  |  |  |  |
| **Racial/Ethnic Student Population by Percent** |
| American Indian/Alaska Native | Asian | Hispanic | White |
|  |  |  |  |
| Black | Hawaiian/Pacific Islander  | Two or More Races |  |
|  |  |  |  |
| **Post-Grant Computer Science Enrollment Data** |
| **Computer Science Student Gender by Percent** |
| Male | Female | Differently Identified | Total Students Enrolled |
|  |  |  |  |
| **Racial/Ethnic Student Population by Percent** |
| American Indian/Alaska Native | Asian | Hispanic | White |
|  |  |  |  |
| Black | Hawaiian/Pacific Islander  | Two or More Races |  |
|  |  |  |  |

|  |
| --- |
| **Pre-Grant Computer Science Enrollment Data**  |
| Number of Courses | Number of AP Courses | Number of IB Courses |
|  |  |  |
| Computer Science Industry Certifications Offered | Other Computer Science Courses Offered |
|  |  |
| **Post-Grant Computer Science Enrollment Data**  |
| Number of Courses | Number of AP Courses | Number of IB Courses |
|  |  |  |
| Computer Science Industry Certifications Offered | Other Computer Science Courses Offered |
|  |  |

|  |
| --- |
| **Teacher & Student Impact** |
| **Number of Teachers to Attend Training** |
| K-2 Teachers | 3-5 Teachers | 6-8 Teachers | 9-12 Teachers |
|  |  |  |  |
| Average Grant Funds Per Teacher | Number of Teaching Endorsements Gained |
|  |  |
| **If the district directly provided computer science professional development, what did the training entail?** |
|  |
| **How will teachers sustainably offer computer science education as a result of the provided professional development?** |
|  |
| **Teacher Data** |
| **Teacher(s)** | **Grade(s)****Taught** | **# of****CS Courses** | **# of****Students** | **PD Attended****(Name of Vendor/Training)** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |
| --- |
| **Use of Funds** |
| Amount Towards Tuition/Fees | Amount Towards Training Programs |
|  |  |
| Amount Towards Materials | Amount Towards Stipends |
|  |  |
| Amount Towards Sub Pay |  |
|  |  |

|  |
| --- |
| **Future Planning and Needs** |
| **What are your greatest needs related to computer science?** |
|  |
| **What is your anticipated plan to retain computer science educators within the school system?** |
|  |

|  |
| --- |
| **What would help your district attract and retain computer science teachers?** |
|  |
| **What are your district plans regarding future computer science courses?** |
|  |
| **Please provide any additional information about how the CSEd grant has impacted education, student attainment, school culture, parent engagement, or any other aspects that you have noticed.** |
|  |

|  |
| --- |
| **Qualitative Reporting** |
| **How did this workshop advance your understanding of computer science?** |
|  |
| **What will you use from the workshop in your own classroom?** |
|  |
| **What barriers do you face concerning computer science education? Did the provided training remove any of these barriers?** |
|  |
| **What additional support do you need in the implementation of this training?** |
|  |
| **After attending computer science education training do you feel confident teaching computer science in your classroom? What made you feel this way?** |
|  |

# Appendix C: End-of-Year Reporting Guiding Questions

*(use the Grant Report Online Guide in Appendix B to answer the questions)*

Teacher Impact

* Teacher impact - how many teachers benefitted from grant funds?
* If the district did not directly provide computer science professional development, what training did they attend?
* What institution/entity provided the training and how much funding did each teacher receive to attend the professional development opportunity?
* How will teacher sustainably offer computer science education as a result of the investment in professional development?

Professional Development Outcomes

* What courses did teachers attend?
* What was the teacher completion and success rate for the courses?
* What degrees, programs completed, or certifications did teachers obtain?
* How did the professional development relate to the pursuit or completion of the Instructional Technology added endorsement?

Expected Impact on Students

* How many more students are being taught computer science from the teachers who received CSEd grant funds?
* How many more computer science courses does your district offer?
* How many more AP or IB computer science courses does your district offer?
* How many new CS courses are you offering as a result of the CSEd professional development funds?
* How many more minority students are taking CS courses?
* How many more high-poverty students are taking CS courses?
* What is the male/female ratio in your CS courses?

Anticipated CS Needs

* What are your greatest needs related to computer science?
* What would help your district attract and retain computer science teachers?
* What are your district plans regarding future computer science courses?