

Computer Science Implementation Plan Template

Introduction

This document is a structured Computer Science Implementation Plan Template that helps school systems summarize their current and desired states, set SMART goals, and define specific action steps to achieve those goals.

Before initiating the planning process, review the [Louisiana K-12 Computer Science Education Plan](#) and use the [Computer Science Landscape Analysis Tool](#) to collect essential data.

Visit the [LDOE Computer Science webpage](#) for resources to support computer science implementation planning.

Consider how the [Computer Science Technology Assistance Grant \(CSTAG\)](#) can support system computer science implementation goals identified for the targeted school year.

- Systems may use grant funds for substitute fees, travel expenses, teacher stipends, or other professional learning and training costs.
- Systems may use up to 40% of grant funds to purchase technology or software for student use in computer science.
- CSTAG funding does not roll over; systems must use all funds by June 30 of the award year (e.g., Funds awarded for the 2027-2028 school year must be used by June 30, 2028).

Complete the following information sections for each goal. The descriptions below clarify the purpose of each section.

Guiding Questions

Guiding questions prompt the computer science implementation planning team to reflect on and analyze the school system's current state and available resources. Answering these questions helps define broad needs and ensures the plan is clear and easy to understand. Use data collected from the [Computer Science Landscape Analysis Tool](#) to determine system needs and plan goals.

Setting Goals

SMART is an acronym used to guide the development of effective, measurable goals. It stands for:

- **Specific:** The goal should be clear and defined, leaving no ambiguity about what must be achieved.
- **Measurable:** Track progress and verify achievement of goals using specific metrics or data.
- **Achievable:** Set realistic goals that are attainable within the available resources and constraints.
- **Relevant:** Align goals with identified needs and high-priority objectives for computer science implementation.
- **Time-bound:** Establish target dates or deadlines for every goal to keep the plan on track.

Building a Plan

Define specific action steps to achieve the system's SMART goals. These steps translate goals into a practical roadmap, establishing tasks that support metrics and deadlines. Each goal must address:

- **Action steps:** Detail the concrete tasks required to achieve the goal.
- **Responsibility:** Identify the lead individual or team for each task.
- **Milestones:** Identify specific events with targeted completion dates.

Getting Started

Complete the template below to detail the first three years of the system's computer science implementation plan. Include at least three goals for Year 1 and projected goals for Years 2 and 3. Add additional goals as needed. For additional support, please contact STEM@la.gov.

Year 1

Goal 1

This table defines the SMART goal for the current implementation year and includes guiding questions to help analyze the system's current reality, obstacles, and future growth.

Plan Component	Response
SMART Goal	
Guiding Questions • What aspect(s) of the school system’s current reality regarding computer science implementation does this goal address? • What obstacles currently prevent achieving this goal? • How, if at all, does this initial goal establish a foundation that can be expanded in Years 2 and 3?	

Goal 1 Action Steps

The following table outlines Goal 1 action steps, including tasks, responsible parties, and target milestones.

Action Steps	Responsibility	Milestones

Goal 2

This table defines the SMART goal for the current implementation year and includes guiding questions to help analyze the system's current reality, obstacles, and future growth.

Plan Component	Response
SMART Goal	
Guiding Questions • What aspect(s) of the school system’s current reality regarding computer science implementation does this goal address? • What obstacles currently prevent achieving this goal? • How, if at all, does this initial goal establish a foundation that can be expanded in Years 2 and 3?	

Goal 2 Action Steps

The following table outlines Goal 2 action steps, including tasks, responsible parties, and target milestones.

Action Steps	Responsibility	Milestones

Goal 3

This table defines the SMART goal for the current implementation year and includes guiding questions to help analyze the system's current reality, obstacles, and future growth.

Plan Component	Response
SMART Goal	
Guiding Questions • What aspect(s) of the school system’s current reality regarding computer science implementation does this goal address? • What obstacles currently prevent achieving this goal? • How, if at all, does this initial goal establish a foundation that can be expanded in Years 2 and 3?	

Goal 3 Action Steps

The following table outlines Goal 3 action steps, including tasks, responsible parties, and target milestones.

Action Steps	Responsibility	Milestones

Years 2 and 3

Projected Strategic Focus Areas

This table defines the SMART goal(s) for future implementation years and includes guiding questions to help analyze the system's current reality, obstacles, and future growth.

Plan Component	Response
Projected SMART Goal(s)	
Guiding Questions • What key goals from Year 1 might require continued development in years 2 and 3? • What specific gaps or new priorities might emerge that should be addressed in years 2 and 3? • How might this strategic focus area build on the infrastructure, relationships, or capacity established in the previous years?	

Years 2 and 3 - Projected Strategic Focus Areas Action Steps

The following table outlines projected year 2 and 3 action steps, including tasks, responsible parties, and target milestones.

Action Steps	Responsibility	Milestones