Unit 7: Create Professional Development

Content Area: **Computer Science**
Course(s):
Time Period: **Marking Period 4**
Length: **20-25 days**
Status: **Published**

Brief Summary of Unit

The student internship is designed to assist in making sure the website is up to date and as relevant as possible. There are many different people who are involved with its updating, including administration, school webmasters, and teachers. One of the things our internship will offer to each of those groups is a chance for Professional Development. Our student interns will develop in person and online training for individuals and groups who will be using the CMS in order to adjust the district's website. Teacher Webpages, Online Data Storage, Forms, and many other tools are available to staff as long as they know how to create them. The student interns will be able to assist with this process.

Revision Date: July 2026

Information Literacy: This unit challenges students to locate, evaluate, and use information effectively. Information literacy includes, but is not limited to, digital, visual, media, textual, and technological literacy. Lessons may include the research process and how information is created and produced; critical thinking and using information resources; research methods, including the difference between primary and secondary sources; the difference between facts, points of view, and opinions, accessing peer-reviewed print and digital library resources; the economic, legal, social, and ethical issues surrounding the use of information.

P.1	Act as a responsible and contributing community members and employee.
L.SS.11–12.1	Demonstrate command of the system and structure of the English language when writing or speaking.
P.4	Demonstrate creativity and innovation.
P.5	Utilize critical thinking to make sense of problems and persevere in solving them.
P.6	Model integrity, ethical leadership and effective management.
L.KL.11–12.2	Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.
P.7	Plan education and career paths aligned to personal goals.
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P.8	Use technology to enhance productivity increase collaboration and communicate effectively.
P.9	Work productively in teams while using cultural/global competence.
9.4.12.DC	Digital Citizenship
8.1.12.DA.1	Create interactive data visualizations using software tools to help others better understand real world phenomena, including climate change.

8.1.12.AP.7	Collaboratively design and develop programs and artifacts for broad audiences by incorporating feedback from users.
8.1.12.AP.8	Evaluate and refine computational artifacts to make them more usable and accessible.
9.4.12.TL.3	Analyze the effectiveness of the process and quality of collaborative environments.
8.2.12.ED.2	Create scaled engineering drawings for a new product or system and make modification to increase optimization based on feedback.
8.2.12.ED.4	Design a product or system that addresses a global problem and document decisions made based on research, constraints, trade-offs, and aesthetic and ethical considerations and share this information with an appropriate audience.

Essential Questions / Enduring Understandings

Essential Questions:

- How do you identify a need for professional development?
- How detailed would a presenation need to be in order for it to be shared and not live?

Enduring Understanding

- One of the best ways to learn something is to teach it to others. When you are teaching people who are not as skilled in technology, you will find some things that seem obvious to you may not be to others.

Objectives

Students Will Know:

- how to prepare presentations that will be held in person, virtually, live or prerecorded.
- how to prepare meaningful and effective professional development.

Students Will be Skilled At:

- presenting material that they have reviewed and understand thoroughly.
- speaking to small groups of professionals.

Learning Plan

- Polling staff, administrators and webmasters to determine need for professional development.
- Taking feedback and putting together presenations for those topics.
- Prepare to present on PD Days or add to a digital library of helpful presentations created by the team.

Assessment

Assessments

- Formative: Daily assessments using examples from class notes and CodeHS.com, AP Classroom/Albert Checks for Understanding
- Summative: Teacher-created assessments/projects and CodeHS Computer Science Projects, AP Classroom/Albert Unit Assessments
- Benchmark: Check for understanding benchmark assessments on CodeHS, AP Classroom/Albert/Khan Academy Diagnostics
- Alternative Assessments: Student-centered activities such as a doorbell coding project, game design projects, and other activities involving real world applications

Finalized products of the professional development training sessions.

Materials

Core instructional materials: Core Book List

Supplemental materials: CodeHS

Google Slides or other presentation software.

Google Meet or other online communication tools.