WARREN COUNTY SCHOOL DISTRICT

PLANNED INSTRUCTION

COURSE DESCRIPTION

Course Title: Computer 4
Course Number: 08493
Course Prerequisites: None

Course Description: The fourth-grade computer technology curriculum builds upon and develops skills needed for software applications. These essential technology skills will build students' confidence and pride in their technological abilities. Students will demonstrate an understanding of knowledge of computer hardware and software, and the development of digital citizenship skills. Students will continue building a foundation of computer science skills.

Suggested Grade Level: Grade 4
Length of Course: One Semester
Units of Credit: None
PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certifications:
CSPG 33 Business, Computer & Information Technology
To find the CSPG information, go to CSPG
Certification verified by the WCSD Human Resources Department: ☒Yes   ☐No

WCSD STUDENT DATA SYSTEM INFORMATION

Course Level: Academic
Mark Types: Check all that apply.
    ☒F – Final Average   ☒MP – Marking Period   ☐EXM – Final Exam

GPA Type: ☒ GPAEL-GPA Elementary   ☐ GPAML-GPA for Middle Level   ☐ NHS-National Honor Society
    ☐ UGPA-Non-Weighted Grade Point Average   ☐ GPA-Weighted Grade Point Average

State Course Code: 10001 Introduction to Computer Technology
To find the State Course Code, go to State Course Code, download the Excel file for *SCED*, click on SCED 6.0 tab, and choose the correct code that corresponds with the course.

TEXTBOOKS AND SUPPLEMENTAL MATERIALS

Board Approved Textbooks, Software, and Materials:
Title: N/A
Publisher: N/A
ISBN #:   N/A
Copyright Date: N/A
WCSD Board Approval Date: N/A

Supplemental Materials: TypingClub.com, Commonsensemedia.com

Curriculum Document

WCSD Board Approval:
Date Finalized: 6/9/2022
Date Approved: 6/27/2022
Implementation Year: 2022-2023

SPECIAL EDUCATION, 504, and GIFTED REQUIREMENTS

The teacher shall make appropriate modifications to instruction and assessment based on a student's Individual Education Plan (IEP), Chapter 15 Section 504 Plan (504), and/or Gifted Individual Education Plan (GIEP).

SCOPE AND SEQUENCE OF CONTENT, AND CONCEPTS

Marking Period 1

- Digital Citizenship (6 Lessons)
- Internet Manipulation (1 Lessons)
- E-mail (1 Lessons)

Marking Period 2

- Microsoft Excel (2 Lessons)
- Microsoft Power Point (3 Lessons)
- Microsoft Sway (2 Lessons)
- Coding (2 Lessons)

Marking Period 3

*Content from Marking Period 1 will repeat for a semester course.

Marking Period 4

*Content from Marking Period 1 will repeat for a semester course.

Standards/Eligible Content and Skills

Performance Indicator	PA Core Standard and/or Eligible Content	Marking Period Taught
Identify healthy media choices.	TEC.3-5.15.3.5.L, TEC.3-5.15.3.5.M, TEC.3-5.15.3.5.T, TEC.3-5.15.4.5.B, SCI.3.5.3-5.D, SCI.3.5.3-5.G	M1, M3
Discuss internet safety components of privacy and personal information.	CS.3-5.1B.NI-05, TEC.3-5.15.3.5.K, TEC.3-5.15.3.5.M, TEC.3-5.15.3.5.T, SCI.3.5.3-5.G, SCI.3.5.3-5.J	M1, M3
Identify a creator's rights on responsibilities online.	TEC.3-5.15.3.5.M, TEC.3-5.15.3.5.T TEC.3-5.15.4.5.B, SCI.3.5.3-5.J	M1, M3
Use safe searching and credible websites.	CS.3-5.1B.NI-05, TEC.3-5.15.2.5.L, TEC.3-5.15.3.5.E, TEC.3-5.15.2.5.M, TEC.3-5.15.3.5.M, SCI.3.5.3-5.A, SCI.3.5.3-5.B, SCI.3.5.3-5.C, SCI.3.5.3-5.D, SCI.3.5.3-5.K	M1, M3
Organize email by using the search, delete, and folder options.	CS.3-5.1B-CS-02, SCI.3.5.3-5.A, SCI.3.5.3-5.B, SCI.3.5.3-5.C, SCI.3.5.3-5.D, SCI.3.5.3-5.K	M1, M3
Create an email with an attached document.	TEC.3-5.15.3.5.A, TEC.3-5.15.3.5.B, TEC.3-5.15.3.5.K, TEC.3-5.15.3.5.O, TEC.3-5.15.3.5.Q, TEC.3-5.15.3.5.X, TEC.3-5.15.7.5.I, TEC.3-5.15.7.5.J, TEC.3-5.15.8.5.C, TEC.3-5.15.8.5.I,	M1, M4

Performance Indicator	PA Core Standard and/or Eligible Content	Marking Period Taught
Create basic formulas using a select cell for reference and the equal sign.	CS.3-5.1B-CS-02, SCI.3.5.3-5.A, SCI.3.5.3-5.C, SCI.3.5.3-5.K,	M2, M4
Use the functions AutoSUM Function.	CS.3-5.1B-CS-02, SCI.3.5.3-5.C, SCI.3.5.3-5.K, SCI.3.5.3-5.O,	M2,M4
Calculate the formula for sum, difference, multiplication, and division.	CS.3-5.1B-CS-02, SCI.3.5.3-5.C, SCI.3.5.3-5.K,	M2,M4
Create an excel table with data and calculate with formulas.	CS.3-5.1B-CS-02, CS.3-5.1B-DA-06, SCI.3.5.3-5.C, SCI.3.5.3-5.K, SCI.3.5.3-5.N, SCI.3.5.3-5.P, SCI.3.5.3-5.S, SCI.3.5.3-5.BB, TEC.3-5.15.3.5.A, TEC.3-5.15.3.5.H, TEC.3-5.15.3.5.M, TEC.3-5.15.3.5.N, TEC.3-5.15.3.5.S, TEC.3-5.15.4.5.G, TEC.3-5.15.8.5.D, TEC.3-5.15.8.5.J	M2,M4
Utilize text boxes, pictures, sounds, recording audio, transitions, and animations in Microsoft Power PowerPoint software to produce a presentation.	SCI.3.5.3-5.K, SCI.3.5.3-5.U, TEC.3-5.15.3.5.A, TEC.3-5.15.3.5. E, TEC.3-5.15.4.5.A, TEC.3-5.15.6.5.M, TEC.3-5.15.7.5.H, TEC.3-5.15.8.5.D, TEC.3-5.15.8.5.J, CS.3-5.1B-CS-02, SCI.3.5.3-5.C, SCI.3.5.3-5.I, SCI.3.5.3-5.N, SCI.3.5.3-5.O, SCI.3.5.3-5.P, SCI.3.5.3-5.Q, SCI.3.5.3-5.R,	M2,M4

Performance Indicator	PA Core Standard and/or Eligible Content	Marking Period Taught
	SCI.3.5.3-5.T, SCI.3.5.3-5.BB, SCI.3.5.3-5.CC, SCI.3.5.3-5.DD	
Create Notes within PowerPoint software to produce an effective presentation for the presenter.	CS.3-5.1B-CS-02, TEC.3-5.15.3.5.A, TEC.3-5.15.3.5.S, TEC.3-5.15.4.5.G, SCI.3.5.3-5.A, SCI.3.5.3-5.B, SCI.3.5.3-5.D, SCI.3.5.3-5.K, SCI.3.5.3-5.S, SCI.3.5.3-5.U,	M2,M4
Create a Sway presentation using a basic template such as options, tools, and designs.	CS.3-5.1B-AP-16, TEC.3-5.15.4.5.K, TEC.3-5.15.6.5.M, TEC.3-5.15.8.5.I, TEC.3.5.15.8.5.J, SCI.3.5.3-5.A, SCI.3.5.3-5.B, SCI.3.5.3-5.BB, SCI.3.5.3-5.C, SCI.3.5.3-5.CC, SCI.3.5.3-5.D, SCI.3.5.3-5.DD, SCI.3.5.3-5.I, SCI.3.5.3-5.K, SCI.3.5.3-5.N, SCI.3.5.3-5.O, SCI.3.5.3-5.P, SCI.3.5.3-5.Q, SCI.3.5.3-5.R, SCI.3.5.3-5.S, SCI.3.5.3-5.T, SCI.3.5.3-5.U	M2,M4
Write and debug basic algorithms to create actions.	CS.3-5.1B-AP-08, CS.3-5.1B-AP-09, CS.3-5.1B-AP-10, CS.3-5.1B-AP-11, CS.3-5.1B-AP-12, CS.3-5.1B-AP-13, CS.3-5.1B-AP-14, CS.3-5.1B-AP-15,	M2,M4

Performance Indicator	PA Core Standard and/or Eligible Content	Marking Period Taught
	CS.3-5.1B-AP-16, CS.3-5.1B-AP-17, TEC.3-5.15.4.5.A, TEC.3-5.15.4.5D., TEC.3-5.15.4.5.G, TEC.3-5.15.6.5.M, TEC.3-5.15.9.5.L, SCI.3.5.3-5.A, SCI.3.5.3-5.BB, SCI.3.5.3-5.C, SCI.3.5.3-5.CC, SCI.3.5.3-5.DD, SCI.3.5.3-5.M, SCI.3.5.3-5.N, SCI.3.5.3-5.O, SCI.3.5.3-5.P, SCI.3.5.3-5.Q, SCI.3.5.3-5.S, SCI.3.5.3-5.T, SCI.3.5.3-5.U	

ASSESSMENTS

PDE Academic Standards, Assessment Anchors, and Eligible Content: The teacher must be knowledgeable of the PDE Academic Standards, Assessment Anchors, and Eligible Content and incorporate them regularly into planned instruction.

Formative Assessments: The teacher will utilize a variety of assessment methods to conduct in-process evaluations of student learning.

   Effective formative assessments for this course include: Discussion questions, Quizzes, ad Written Responses

Summative Assessments: The teacher will utilize a variety of assessment methods to evaluate student learning at the end of an instructional task, lesson, and/or unit.

   Effective summative assessments for this course include: Projects, Tests, and Written Responses