

## 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.

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#### **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:** 6/27/22

**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.

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**Standards/Eligible Content and Skills**

| <b>Performance Indicator</b>                                            | <b>PA Core Standard and/or Eligible Content</b>                                                                                                                                             | <b>Marking Period Taught</b> |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Identify healthy media choices.                                         | ISTE 1.2<br>BCIT 15.4.5.B<br>BCIT 15.2.5.L<br>BCIT 15.2.5.M<br>BCIT 15.3.5.K<br>BCIT 15.3.5.L<br>BCIT 15.3.5.M<br>BCIT 15.3.5.T<br>BCIT 15.4.5.B<br>CSTA 1B-NI-05                           | M1, M3                       |
| Discuss internet safety components of privacy and personal information. | ISTE 1.2<br>BCIT 15.4.5.B<br>BCIT 15.2.5.L<br>BCIT 15.2.5.M<br>BCIT 15.3.5.K<br>BCIT 15.3.5.L<br>BCIT 15.3.5.M<br>BCIT 15.3.5.T<br>BCIT 15.4.5.B<br>CSTA 1B-NI-05                           | M1, M3                       |
| Identify a creator's rights on responsibilities online.                 | ISTE 1.2<br>BCIT 15.4.5.B<br>BCIT 15.2.5.L<br>BCIT 15.2.5.M<br>BCIT 15.3.5.K<br>BCIT 15.3.5.L<br>BCIT 15.3.5.M<br>BCIT 15.3.5.T<br>BCIT 15.4.5.B<br>CSTA 1B-NI-05                           | M1, M3                       |
| Use safe searching and creditable websites.                             | ISTE 1.1A<br>ISTE 1.1B<br>ISTE 1.3<br>CSTA 1B-NI-05<br>BCIT 15.2.5.L<br>BCIT 15.2.5.M<br>BCIT 15.3.5.E<br>BCIT 15.3.5.M<br>BCIT 15.3.5.S<br>BCIT 15.4.5.B<br>BCIT 15.4.5.K<br>BCIT 15.9.5.M | M1, M3                       |

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| <b>Performance Indicator</b>                                              | <b>PA Core Standard and/or Eligible Content</b>                                                                                                                                                                                                 | <b>Marking Period Taught</b> |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Organize email by using the search, delete, and folder options.           | ISTE 1.1.C<br>ISTE 1.1.D<br>ISTE 1.2.D<br>ISTE 1.6.A<br>CSTA 1B-CS-02<br>BCIT 15.3.5.A<br>BCIT 15.3.5.B<br>BCIT 15.3.5.K<br>BCIT 15.3.5.O<br>BCIT 15.3.5.Q<br>BCIT 15.3.5.X<br>BCIT 15.7.5.I<br>BCIT 15.7.5.J<br>BCIT 15.8.5.C<br>BCIT 15.8.5.I | M1, M3                       |
| Create an email with an attached document.                                | ISTE 1.1.C<br>ISTE 1.1.D<br>ISTE 1.2.D<br>ISTE 1.6.A<br>CSTA 1B-CS-02<br>BCIT 15.3.5.A<br>BCIT 15.3.5.B<br>BCIT 15.3.5.K<br>BCIT 15.3.5.O<br>BCIT 15.3.5.Q<br>BCIT 15.3.5.X<br>BCIT 15.7.5.I<br>BCIT 15.7.5.J<br>BCIT 15.8.5.C<br>BCIT 15.8.5.I | M1, M4                       |
| Create basic formulas using select cell for reference and the equal sign. | ISTE 1.1.D,<br>ISTE 1.3.B,<br>ISTE 1.5.B,<br>ISTE 1.6.A,<br>ISTE 1.6.C,<br>CSTA 1B-CS-02,<br>CSTA 1B-DA-06,<br>CSTA 1B-DA-07,<br>BCIT 15.3.5.A,<br>BCIT 15.3.5.G,<br>BCIT 15.3.5.H,<br>BCIT 15.3.5.M,                                           | M2, M4                       |

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| <b>Performance Indicator</b>                                             | <b>PA Core Standard and/or Eligible Content</b>                                                                                                                                                                                                                                                | <b>Marking Period Taught</b> |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|                                                                          | BCIT 15.3.5.N,<br>BCIT 15.3.5.S,<br>BCIT 15.4.5.G,<br>BCIT 15.8.5.D,<br>BCIT 15.8.5.J                                                                                                                                                                                                          |                              |
| Use the functions AutoSUM Function.                                      | ISTE 1.1.D,<br>ISTE 1.3.B,<br>ISTE 1.5.B,<br>ISTE 1.6.A,<br>ISTE 1.6.C,<br>CSTA 1B-CS-02,<br>CSTA 1B-DA-06,<br>CSTA 1B-DA-07,<br>BCIT 15.3.5.A,<br>BCIT 15.3.5.G,<br>BCIT 15.3.5.H,<br>BCIT 15.3.5.M,<br>BCIT 15.3.5.N,<br>BCIT 15.3.5.S,<br>BCIT 15.4.5.G,<br>BCIT 15.8.5.D,<br>BCIT 15.8.5.J | M2,M4                        |
| Calculate the formula for sum, difference, multiplication, and division. | ISTE 1.1.D,<br>ISTE 1.3.B,<br>ISTE 1.5.B,<br>ISTE 1.6.A,<br>ISTE 1.6.C,<br>CSTA 1B-CS-02,<br>CSTA 1B-DA-06,<br>CSTA 1B-DA-07,<br>BCIT 15.3.5.A,<br>BCIT 15.3.5.G,<br>BCIT 15.3.5.H,<br>BCIT 15.3.5.M,<br>BCIT 15.3.5.N,<br>BCIT 15.3.5.S,<br>BCIT 15.4.5.G,<br>BCIT 15.8.5.D,<br>BCIT 15.8.5.J | M2,M4                        |
| Create an excel table with data and calculate with formulas.             | ISTE 1.1.D,<br>ISTE 1.3.B,<br>ISTE 1.5.B,<br>ISTE 1.6.A,<br>ISTE 1.6.C,                                                                                                                                                                                                                        | M2,M4                        |

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| <b>Performance Indicator</b>                                                                                                                         | <b>PA Core Standard and/or Eligible Content</b>                                                                                                                                                                                                 | <b>Marking Period Taught</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|                                                                                                                                                      | CSTA 1B-CS-02,<br>CSTA 1B-DA-06,<br>CSTA 1B-DA-07,<br>BCIT 15.3.5.A,<br>BCIT 15.3.5.G,<br>BCIT 15.3.5.H,<br>BCIT 15.3.5.M,<br>BCIT 15.3.5.N,<br>BCIT 15.3.5.S,<br>BCIT 15.4.5.G,<br>BCIT 15.8.5.D,<br>BCIT 15.8.5.J                             |                              |
| Utilize text boxes, pictures, sounds, recording audio, transitions, and animations in Microsoft Power PowerPoint software to produce a presentation. | ISTE 1.1.D,<br>ISTE 1.3.C,<br>ISTE 1.4.B,<br>ISTE 1.6.(all),<br>BCIT 15.3.5.A,<br>BCIT 15.3.5.E,<br>BCIT 15.3.5.S,<br>BCIT 15.4.5.A,<br>BCIT 15.4.5.G,<br>BCIT 15.4.5.M,<br>BCIT 15.7.5.H,<br>BCIT 15.8.5.D,<br>BCIT 15.8.5.J,<br>CSTA 1B-CS-02 | M2,M4                        |
| Create Notes within PowerPoint software to produce an effective presentation for the presenter.                                                      | ISTE 1.1.D,<br>ISTE 1.3.C,<br>ISTE 1.4.B,<br>ISTE 1.6.(all),<br>BCIT 15.3.5.A,<br>BCIT 15.3.5.E,<br>BCIT 15.3.5.S,<br>BCIT 15.4.5.A,<br>BCIT 15.4.5.G,<br>BCIT 15.4.5.M,<br>BCIT 15.7.5.H,<br>BCIT 15.8.5.D,<br>BCIT 15.8.5.J,<br>CSTA 1B-CS-02 | M2,M4                        |
| Create a Sway presentation using a basic template such as options, tools, and designs.                                                               | ISTE 1.1.D<br>ISTE 1.3.C<br>ISTE 1.6.A<br>ISTE 1.6.B                                                                                                                                                                                            | M2,M4                        |

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|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| PLANNED INSTRUCTION                                 |                                                                                                                                                                                                                        |                       |
| Performance Indicator                               | PA Core Standard and/or Eligible Content                                                                                                                                                                               | Marking Period Taught |
|                                                     | CSTA 1B-AP-16<br>BCIT 15.4.5.K<br>BCIT 15.4.5.M<br>BCIT 15.8.5.I<br>BCIT 15.8.5.J                                                                                                                                      |                       |
| Write and debug basic algorithms to create actions. | ISTE 1.1.A,<br>ISTE 1.1.C,<br>ISTE 1.1.D,<br>ISTE 1.4.(all),<br>ISTE 1.5.A,<br>ISTE 1.5.C,<br>ISTE 1.5.D,<br>CSTA 1A-AP(all),<br>BCIT 15.4.5.A,<br>BCIT 15.4.5.D,<br>BCIT 15.4.5.G,<br>BCIT 15.4.5.M,<br>BCIT 15.9.5.L | M2,M4                 |

## **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, and 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.