CCSU\_Lesson Plan Template

Teacher Candidate: Janice Sobanski

Class and Period: Grade 9

Date

Lesson Title: Computers and Servers.

|  |  |  |  |  |  |  |  |  |  |
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| I. Central Focus | | | |  | | | | | |
| How do computers and servers interact to give us the internet? | | | | | | | | | |
| Il. Standards Addressed | | | |  | | | | | |
| ITEEA.8: “Students will develop an understanding of the attributes of design.” | | | | | | | | | |
| ITEEA.12: “Students will develop the abilities to use and maintain technological products and systems” | | | | | | | | | |
| Ill. Learning Objective(s) | | | |  | | | | | |
| 1. In an oral discussion, students will be able to describe the purpose of a web server. | | | | | | | | | |
| 2. On paper, students will utilize decomposition to create a set of instructions for creating a web server. | | | | | | | | | |
| 3. In writing, students will be able to describe in 3 sentences or less what HTTPS is and what it does. | | | | | | | | | |
| IV. Academic Language/Language Function Objective(s) | | | | | | | | | |
| Algorithms – Through this lesson, students will understand how to develop/follow step-by-step instruction to solve a problem.  Decomposition – students will be able to break down a complex problem into smaller parts. | | | | | | | | | |
| V. Assessments (note any relevant differentiation) | | | |  | | Evaluative Criteria (note any relevant differentiation) | | | |
| 1. **Exit Slip (formative 5 minutes):** *this assessment will be completed at the end of the class period. Students will describe on a small piece of paper the purpose/role of HTTPS.* | | | |  | |  | | | |
| 2. | | | |  | |  | | | |
| 3. | | | |  | |  | | | |
| VI. Key Vocabulary | | | |  | | | | | |
| * Server * HTML * HTTPS * Algorithms | | | | * Apache * CSS | | | | | |
| VII. Lesson Procedures/ Learning Tasks and Timeline | | | |  | | | | | |
| Times | Teacher Actions (include differentiation) | | | Student Actions | | | | Formative Assessments | |
|  | Initiation | | |  | | | |  | |
|  | Teacher will show a video on how websites are hosted on the internet | | |  | | | |  | |
|  |  | | | Students will lead discussion about web servers and the internet | | | |  | |
|  | Lesson Development | | |  | | | |  | |
|  | Teacher will assign students the task of setting up their raspberry pi apache servers. Teacher will aid students if need arises. | | |  | | | |  | |
|  | Closure | | |  | | | |  | |
| 5 min | | Brief recount of lesson, Exit Slip | | | Exit Slip | | | |  | |
| IX. Lesson-Specific Materials | | | | | | |  | | | |
| Teacher Materials | | | Student Materials | | | | Targeted Materials (any specific materials required for differentiation, accommodation, or modification) | | | |
|  | | | Raspberry Pi’s  Websites (from previous lessons) | | | |  | | | |