Instructional Materials Publishers

Bid Item

Course: Foundations of Web Design (9001110)
Title: KidCoder: Web Design , Edition: 2015
Copyright: 2015
Author: CompuScholar, Inc.
Grade Level: 9 - 12

Publisher Questionnaire

Authors & Credentials: List full name of author(s), with major or senior author listed first. Briefly provide credentials for each author.

Chris Yust - 17 years of experience in software engineering, 8+ years in curriculum publishing, M.S. E.E., co-author of 8 computer science textbooks for middle and high school students. Andrea Yust - 9 years of experience in software engineering, 8+ years in curriculum publishing, B.S. C.S., co-author of 8 computer science textbooks for middle and high school students.

Students: Describe the type(s) of students for which this submission is intended.

This computer science course is intended for 9th-12th grade students with no prior programming experience. Students should be essentially computer literate as a prerequisite (able to use the mouse, keyboard, navigate through their operating system, etc). Lessons are written for students with average reading ability and technical aptitude, with opportunities for enhancements by advanced students.

1. IDENTIFY AND DESCRIBE THE COMPONENTS OF THE MAJOR TOOL. The Major Tool is comprised of the items necessary to meet the standards and requirements of the category for which it is designed and submitted. As part of this section, include a description of the educational approach of the submission.

Educational Approach (The information provided here will be used in the instructional materials catalog in the case of adoption of the program. Please limit your response to 500 words or less.)

KidCoder: Web Design is delivered through a web-based Learning Management System (LMS). It provides integrated multi-media instruction (lesson text, lesson videos), hands-on programming activities, and automated assessments. The teacher's guide includes suggested classroom discussion questions, full activity solutions, assessment answers, and professional development modules. CompuScholar supports the IMS Global Common Cartridge, LTI, and QTI standards for integration with 3rd party LMS platforms. This course supports the 5E instructional model. It will ENGAGE with familiar, real-world examples, EXPLORE with integrated multi-media lessons, EXPLAIN with guided classroom discussions, ELABORATE with hands-on activities to apply concepts, and EVALUATE with automated quizzes and tests.

Major Tool - Student Components Describe each of the components, including a format description.

All student material is delivered online through a web browser. Students will log in to view the lesson videos, read the lesson text, take online assessments, and download activity instructions and supporting files. Students will complete hands-on programming activities on their local computer (at home or in the classroom) and can submit project files through the LMS to the teacher for grading. Students can view their grades in the electronic grade book.

Major Tool - Teacher Components Describe each of the components, including a format description.

All teacher material is delivered online through a web browser. Teachers will log in to view all student material, plus the teacher's guides, activity solutions, and assessment answer keys for each lesson. Teachers can receive and grade student projects and review/manage student grades through the electronic grade book. Teachers have the ability to self-manage student profile details, reset student passwords, etc. Free professional development modules are available 24/7/365 through the teacher login. Teacher logins are assigned to individual teachers and configured to manage students in a class.

2. IDENTIFY AND DESCRIBE THE ANCILLARY MATERIALS. Briefly describe the ancillary materials and their relationship to the major tool.

Ancillary Materials - Student Components Describe each of the components, including a format description.

N/A - The major tool (student login) gives access to all student components.

Ancillary Materials - Teacher Components Describe each of the components, including a format description.

N/A - The major tool (teacher login) gives access to all student and teacher components.

3. HOW MUCH INSTRUCTIONAL TIME IS NEEDED FOR THE SUCCESSFUL IMPLEMENTATION OF THIS PROGRAM? Identify and explain the suggested instructional time for this submission. If a series, state the suggested time for each level. The goal is to determine whether the amount of content is suitable to the length of the course for which it is submitted.

This 1-year (2-semester) course contains 28 chapters, broken into 3-5 lessons each. Classes are expected to meet 3-5 times per week and complete each chapter in 1-2 weeks. Numerous supplemental lessons are provided to further enrich the curriculum, meet specific state standards, or support advanced student work. A suggested week-by-week syllabus is posted in the online professional development area for this course.

4.WHAT PROFESSIONAL DEVELOPMENT IS AVAILABLE? Describe the ongoing learning opportunities available to teachers and other education personnel that will be delivered through their schools and districts as well as the training/in-service available directly from the publisher for successful implementation of the program. Also provide details of the type of training/in-service available and how it may be obtained. (The information provided here will be used in the instructional materials catalog in the case of adoption of the program.)

Free professional development is included with adoption and available 24/7/365 as a series of videos or multi-media modules within the course interface. The professional development covers basic LMS usage and common administrative features for all courses. It also contains specific modules for this course, including an overview, suggested syllabus, software installation instructions, a development environment tutorial, hands-on coding demonstration, and a walk-through of each course chapter. All teachers get free technical support throughout the adoption; CompuScholar gladly answers questions and responds to feedback. Please see our Florida landing page at http://www.compuscholar.com/florida for additional professional development details.

5. WHAT HARDWARE/EQUIPMENT IS REQUIRED? Briefly list and describe the hardware/equipment needed to implement the submission in the classroom. REMEMBER: Florida law does not allow hardware/equipment to be included on the bid! However, schools and districts must be made aware of the hardware/equipment needed to fully implement this program.

Course material is delivered through any recent HTML5-compliant web browser on a PC, Mac, or tablet (Android/iPad/etc). In order to complete the hands-on programming projects, students will need to use a PC with Windows 7 or higher or Mac OS version 10.6 or higher. Students can work at home or in the classroom, and files can be moved between locations through the course interface. For a complete list of detailed hardware and software requirements, please see the "Minimum Requirements" document on our Florida landing page at http://www.compuscholar.com/florida.

6. WHAT LICENSING POLICIES AND/OR AGREEMENTS APPLY? If software is being submitted, please attach a copy of the company's licensing policies and/or agreements.

Student and teacher logins are licensed per individual, per year.

7. WHAT STATES HAVE ADOPTED THE SUBMISSION? List some of the states in which this submission is currently adopted.

This KidCoder: Web Design course is new for 2015. Other CompuScholar courses have been reviewed and adopted by Texas as part of their Proclamation 2014 cycle. In 2015, CompuScholar is participating in state-wide adoptions in Florida, Tennessee, South Carolina, Utah, and Idaho. Our courses are listed on the approved vendor list for Ohio. Individual courses are used by districts in California, Indiana, New York, Virginia, and Maryland.

8. LIST THE FLORIDA DISTRICTS IN WHICH THIS PROGRAM HAS BEEN PILOTED IN THE LAST EIGHTEEN MONTHS.

Not Applicable