



# 2026–2027 K–12 Mathematics and Computer Science Bid #1927 – Fundamentals of Computer Science 1 and 2

## IM8 Questionnaire

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

*Answer:* Emergent Learning: EL specializes in developing high-quality instructional resources designed to prepare students for success in a variety of technical fields. Leveraging a vast network of CTE subject matter experts, Emergent Learning has produced hundreds of programs used by thousands of students nationwide. Their goal is to ensure secondary students are well-equipped to meet the demands of today's dynamic workforce and excel in their chosen careers.

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

*Answer:* High School students interested in exploring information technology and computer science pathways.

**1. List the Florida districts in which this program has been piloted in the last eighteen months.**

*Answer:* These programs were published in August of 2025 and have not been piloted at this time.

**2. HOW ARE YOUR DIGITAL MATERIALS SEARCHABLE BY FLORIDA STATE STANDARDS (SECTION 1006.33(1)(E), FLORIDA STATUTES)?**

*Answer:* A digital edition of each course has been provided with the ability to search by state standard. The program is sold by Student Site License.

**3. 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.)**

*Answer:* Fundamentals of Computer Science 1 & 2 are online courses created in the Canvas Learning Platform. Each course consists of: Interactive Readings integrated with a variety of study tools, Videos Tutorials, Scenarios and Case Studies, Practice Activities, Critical Thinking Exercises, as well as formative and summative assessments. The courses feature a learner-centered approach, active learning strategies, and a variety of engaging content.

**Major Tool – Student Components: Describe each of the components, including a format description.**

*Answer:* The Student Course is delivered online and is designed to be used in either instructor-led or self-paced learning environments. The Canvas-delivered platform easily integrates with most learning management systems. The courses are organized by Module, Units, and Lessons within the Units.

**Major Tool – Teacher Components: Describe each of the components, including a format description.**

*Answer:* The Teacher Guide includes Lesson Objectives, Discussion Questions, Teaching Tips, Preparation Tips, and Teamwork Activities for each Lesson. Differentiated Instruction Tips are also provided for Advanced, Less Advanced, At-Risk, and English Language student populations.

**4. 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.**

*Answer:* None

**Ancillary Materials – Teacher Components: Describe each of the components, including a format description.**

*Answer:* None

**5. Identify which industry standard protocols are utilized for interoperability?**

*Answer:* Canvas Learning Management System (LMS) utilizes the Learning Tools Interoperability (LTI) standard.

**6. 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.**

*Answer:* Each level (1 & 2) consists of approximately 89 hours of learning for a total of 178 contact hours. The flexible design of the courses enables teachers to teach only certain Units or Lessons if they choose.



**7. 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 organization 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.)**

*Answer:* For information regarding our virtual and in-person professional development opportunities please see: <https://acrobat.adobe.com/id/urn:aaid:sc:US:3f53dddc-442c-49af-93cf-6f1b4e68f442>

**8. WHAT HARDWARE/EQUIPMENT IS REQUIRED? 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.**

*Answer:* RAM A minimum of 4GB of RAM is recommended, though some recommend 8GB for optimal performance. Operating Systems & Browsers Windows 7 or Mac OSX 10.6, or higher, is generally sufficient. Canvas supports the latest versions of major browsers like Chrome, Firefox, Safari, and Edge. Display A minimum resolution of 1024x600 is recommended, but higher resolutions are preferable for a better viewing experience.

**9. 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.**

*Answer:* The program is available as a five year student license.

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

*Answer:* The program was recently published (August 2025) and has not yet been adopted by any states.

**11. WHAT OPEN EDUCATIONAL RESOURCES RELATED TO THIS BID DO YOU MAKE AVAILABLE(S)? List and describe each of the components, including a format description. (Open Educational Resources (OER) are high-quality, openly licensed, online educational materials that offer an extraordinary opportunity for people everywhere to share, use, and reuse knowledge.)**

*Answer:* None

**12. Although not called for in the state adoption, do you have advanced placement (ap) or accelerated program instructional materials available for the course(s) bid for adoption?**



*Answer:* No.

**13. What, if any, foreign language translations do you have available?**

*Answer:* An English / Spanish Glossary of Key Terms is available in the Teacher Pathway for the course.

**14. Do you provide access point scaffolding or an access point correlation upon request?**

*Answer:* Although specific access point scaffolding has not been developed, the Teacher Guide includes instruction suggestions for each lesson for Less Advanced, At-Risk, and English Learner student populations.

**15. ESSA LEVELS OF EVIDENCE: To be considered an evidence-based program (or practice), it is required to have evidence to show that the program is in fact effective at producing results and improving outcomes in reading when implemented. Identification of evidence level alignment, Levels 1–4 (as outlined in the specifications), for the entirety of the program, part of the program, or individual practices within the program is required. Please explain how your product meets these requirements.**

*Answer:* The program has not undergone any evidence-based studies or trials.