Badge Details

Name	4617 – Computer Science Essentials
Description	Computer Science Essentials exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python® to develop complex solutions to authentic and relevant problems. They apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.
Criteria	***Candidates receiving this certification will take an exam with the following criteria:*** 1. Professional Practice 5%-20% 2. Collaboration and Communication 5%-20% 3. Problem Solving 5%-20% 4. Data, Algorithms, and Development 20%-35% 5. Programming 10%-25% 6. Computational Tools and Techniques 5%-20%