

Year 1

System Design & Development

- System Design and Implementation
- Documentation
- Validation and Testing

Programming Assignments Design & Development

- Analysis and Requirements solicitation
- Programming Project Design
- Programming Project Implementation



Year 2

Local Testing & Ad-hoc Adoption

- Informal beta release for collaborators
- Assign in CS-2 course at VT
- Assign in Data Structures course at VT
- Assign in Computational Thinking course for non-majors at VT
- Assess effectiveness across courses
- Refine system and assignments



Year 3

Expanded Deployment & Rigorous Evaluation

- Full release for collaborators
- Assign across multiple institutions in:
 - CS-1 courses
 - CS-2 courses
 - Data Structures course
 - Computational Thinking courses for non-majors
- Refine system and assignments