# Codelicious Computer Science Curriculum

**Grade Levels:**
K-6

**Educational Setting:**
- Program can be offered in school and/or out of school

**Program Website:**
[www.codelicious.com](http://www.codelicious.com)

**Overview Video:**
[www.codelicious.com/overview-video](http://www.codelicious.com/overview-video)

**Award Provides:**
- One-year site license curriculum package, which includes:
  - Online Training Videos
  - Step-by-step Lesson Plans
  - Syllabi
  - Customized Standards Maps
  - Pacing Guides
  - Teacher and Student Slide Decks
  - Printable Resources
  - Formative Assessments

## 2023-2024 STEM Scale-Up Program Summary:

Codelicious provides full-year grade-level differentiated courses, each offering developmentally appropriate, standards-aligned, computer science (CS) learning that works across varied instructional settings. Each course is delivered to teachers with everything they need to confidently implement the curricula in their classrooms, including training videos, assessments, syllabi, standards maps, step-by-step lesson plans, pacing guides, and slide decks.

Computer science is more than just coding and preparing students for postsecondary success; it requires that they navigate a technology-driven society. To that end, we support students' holistic computer science learning across the Core Pillars of Codelicious Curriculum: coding, unplugged, digital citizenship, STEM careers, and hardware integrations. Iowa students will experience all pillars, so that they build fluency in procedural, computational, and problem-solving skills while also learning the fundamentals of digital citizenship and safety.

To support a scaling initiative in Iowa, Codelicious has curated a collection of 10 lesson plans for each grade level from K-6. These lessons have been selected to support and reinforce Iowa Core Standards in the areas of 21st century learning skills, mathematics, science, and computer science, with the specific aim of supporting the strategic initiatives of PK-3 STEM early learning, computational thinking, integration into math and science classes, and STEM careers.

## Informational Webinar:

**Date:** Wednesday, January 11, 2023 at 4:00 PM CT
**Zoom Link:** [CLICK HERE](http://www.codelicious.com/overview-video)
*Session will be recorded*

## Requirements to Implement the Program:

1. Educator(s) must attend professional development.
2. Educator(s) must participate in the STEM Council Scale-Up Educator Survey.
3. Educator(s) will need access to at least one of these devices:
   a. Grades K-2: Chromebook, iPad, and/or Android Tablet
   b. Grades 3-5: Windows, MAC, Chromebook, iPad, and/or Android Tablet
APPROXIMATE SUSTAINABILITY COST (After Award Period):
- $750 per grade level course or $2000 per site license
- No educator or student licenses required
- Multi-year discounts available

WEBSITE:
www.codelicious.com

VIDEOS:
- Standards Alignment
- Customer Testimonials

SOCIAL MEDIA:
- Twitter
- Facebook

Iowa Standards Alignment:

Grades K-5
- Algorithms and Programming: 1A-AP-10
  - Develop programs with sequences and simple loops, to express ideas or address a problem
- Impacts of Computing: 1A-IC-16
  - Compare how people live and work before and after the implementation or adoption of new computing technology.
- Data and Analysis: 1B-DA-07
  - Use data to highlight or propose cause-and-effect relationships, present outcomes, communicate an idea.
- Link to complete Codelicious Computer Science Curriculum K-5 stands alignment maps

Professional Development:

Duration: 3-4 hours
Date(s): July 15-August 12, 2023
Location: Virtual training

Photos:

STEM Scale-Up Program Application Link: www.IowaSTEM.org/Scale-Up-Application