



4-H Computer Science Programming Judging Sheet

Member Name: _____

County: _____

Jr. ____ Int. ____ Sr. ____ Yrs. in Project: _____

Exhibit: Completed Computer e-Record and Student Notebook (Levels 1 and 2) or manual (Level 3) presented in a sturdy binder. **Programming Exhibit:** (a printed copy of a digital presentation must be included in the e-record. **Beginning Programming Exhibit:** a program using Scratch (or other uncomplicated graphic programming language). The program must include 8 different commands including looping and getting input from the keyboard and mouse. **Intermediate Programming:** a program using Scratch (or other uncomplicated graphic programming language) that you have downloaded from the internet and modified. Compare the two programs and demonstrate the changes you have made to the original program: OR create an animated storybook or video game using Scratch (or other simple graphical programming language). If using Scratch, include a clone or list in the program.

Advanced Programming: a program using a control or event block that controls other blocks of code or an original program using higher level programming language such as Python, JavaScript, Java, C++, etc.). Judges may use the back of the form for more comments. **Computer Science and Coding**

Programming: An original program using Scratch or Python using variables, conditional statements, and loops. The program should be more advanced than programs created in previous programming units. Programs should execute code with the intended outcome.

Judging Element 1: 4-H e-Record: Complete means that everything has been filled out. Not complete means that there is something missing and needs a comment as to what is missing or why it is not complete. Project will be evaluated on the quality of information completed in e-record (25 percent) and quality of exhibit (75 percent).

Criteria	Complete	Not Complete	Comments	
E-Record				
Record Cover				
Project Goals				
What 4-H projects are you taking this year?				
What activities helped you learn the skills for the project? (workshops, project meetings, classes, contests, etc.)				
What leadership development experiences did you participate in?				
Citizenship/Community Service in 4-H				
Demonstrations/Presentations/Speeches				
Printed copy of digital presentation				
Project Expense/Return on Investment				
Goal Evaluation				
Project Photos				
Story				

Criteria	E	G	F	N/I	Comments
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Judging Element 3: 4-H Computers – Programming Exhibit

N/I = Needs Improvement - must have comments

Beginning Programming Evidence of 8 different commands including looping & input from the keyboard & mouse.					
Intermediate Programming Comparison of two programs Changes made to the original					
Intermediate Programming Includes evidence of a clone or list Animated storybook or video game					
Advanced Programming Original program that executes code with the intended outcome using higher level programming language					
Computer Science and Coding Program is more advanced and includes variables, conditional statements, and loops; executes code with the intended outcome					

E = Excellent G = Good F = Fair N/I = Needs Improvement

An equal access and equal opportunity University. <https://col.st/lI0t3>

American System Placing: (Check One)

Champion _____

Reserve Champion _____

Placing 3-10 _____

Grand Champion _____

Reserve Grand Champion _____

Danish System Award: (Check One)

(For County Use Only)

Blue _____

Red _____

White _____

Project Level (Check One)

Discovering Computer Science & Programming

Level 1 _____

Level 2 _____

Level 3 _____

Computer Science & Coding _____

Revised 2024