

ASQ2	Level 4	Level 3	Level 2	Level 1
communication	colouring to add to understanding, input one colour/output another	Flowchart - organized, proper spacing, correct symbols, proper language Comments - useful succinct, (block OK), not sparse, block at top (modifications, start date, programmer name, problem description, Notes on anything special or unusual, citations) Readability - code is easy to follow, enough white space	Poor spacing, some incorrect symbols, typing errors, lacking explanation, inline comments, or hard to read, or spelling mistakes on output or Programmer missing or modifications Adequate	poor organizations, many symbols used incorrectly for the concept attempting to convey, arrows in the wrong section or incorrect pointer. Any two or more details missing or Citations/borrowed work not acknowledged OR more than 25% of code borrowed Needs improvement
Knowledge Thinking & Inquiry	User instructions that are clear and can be accessed at any time or Additional options, like premature quit. With open or similar more advanced coding Description at top to clarify	user interface, clear language, no grammar or spelling errors I/O either CSV or txt - Open and closing, proper reading of all elements in the file and placing in an array/list/class IPO - proper chart (headings), steps, proper terminology	2 or 3 grammar or spelling errors I/O opens and closes properly but may be inefficient OR may be skipping certain lines/words Unclear steps or incorrect terminology	User interface not clear, poor language and or spelling and grammar errors hard coded words and forgot to close files missing information in columns or steps missing
Thinking & Inquiry	Screen sizes to user systems. Make it interactive - Colour or design helps user know what stage they are at	Graphics are appropriate and professional looking for Hangman - word list appropriate components - Standard screen size 1280 x 1024 Trace statements - variable name, steps and changes (Table chart) All functions (including user) are efficient and work as expected	Small graphics, features not intuitive Variable names don't match or missed a step Functions work, but confusing or inefficient Nested if's or lack of proper loops - does not take advantage of built in functions	No graphics, just console that user would not necessarily have - Lost count on number of guesses more confusing, complicate the existing error, or do not recognize it Hard coded where a user defined function or built in would suffice
Application	Could be class based Highly efficient, best possible, perhaps found a new function or way to complete the task	Code efficiency - nested if's better into function or class.		No functions or classes

The same character entered multiple times looser guesses suggest error trapping for this.  
-should always have error checking on files being read in.  
Flowchart, IPO, Trace missing?