Water Use & Conservation Technologies - Assessment Rubric

Criteria	Level 1	Level 2	Level 3	Level 4
Computational thinking	With support, is sometimes able to demonstrate computational thinking strategies by writing code that mostly makes sense.	Is sometimes able to demonstrate computational thinking strategies by writing code that mostly makes sense.	Can adequately demonstrate computational thinking strategies by writing code that makes sense and serves a specific function.	Can effectively demonstrate computational thinking strategies by writing code that makes sense and serves a specific function.
System design	With support, can design, build, and code a mostly functional system that counts down a chosen amount of time	Can design, build, and code a mostly functional system that counts down a chosen amount of time	Can sufficiently design, build, and code a functional system that counts down a chosen amount of time	Can efficiently design, build, and code a functional system that counts down a chosen amount of time
Debugging	With support, can troubleshoot the device and mostly debug the system using a variety of strategies.	Can troubleshoot the device and mostly debug the system using a variety of simple strategies.	Can troubleshoot the device and debug the system using a variety of simple strategies.	Can troubleshoot the device and debug the system using a variety of creative strategies.
Showcase	Can showcase some of their systems and, with prompting, explain how most of them work and the possible real-world applications.	Can showcase their system and, with prompting, explain how most of it works and the possible real-world applications.	Can showcase their system and explain how it works and the possible real-world applications.	Can comfortably showcase their system and explain how it works and the possible real-world applications.
Collaboration	With support, can work with group partners demonstrating developing collaboration skills	Can work well with group partners demonstrating adequate collaboration skills	Can work well with group partners demonstrating good collaboration skills	Is proficient in working with group partners, demonstrating strong collaboration skills