

Quirky Creations

Engineering Cool School Hacks

Name: _____

| The pupil can: | Requires additional support | Can work independently | Can teach others |
|--------------------------------------------------------------|-----------------------------|------------------------|------------------|
| Define and understand a given problem | | | |
| Brainstorm and iterate a solution to meet a specific need | | | |
| Create a possible solution to a problem that has constraints | | | |
| Define success criteria to help evaluate a solution | | | |
| Identify the failure points of a model or program | | | |
| Refine a prototype as part of a cyclical design process | | | |
| Use the design process to improve an existing object | | | |
| Explore the benefits of automated solutions | | | |
| Engage effectively in a range of collaborative discussions | | | |

Additional comments:

