## I am an inventor lesson

### Rubric

**Assessment**

| Criteria | Beginning | Achieved  | Exceeded |
| --- | --- | --- | --- |
| Research the life and work of Rube Goldberg | Briefly outlined Rube Goldberg’s Life and achievements. |  Gathered a variety of information about the life and work of Rube Goldberg.  |  Gathered extensive information about Rube Goldberg’s work, life, and contributions globally. Included diagrams, history, and examples. |
| Summarise six simple machines | Attempted to describe the physics of the machines.  |  Described the physics of the machines in general terms. |  Described the physics of the machines in specific and concise terms. |
| Explain the work and task of cartoons and cartoonists | Had difficulty identifying cartoons and cartoonists messages. |  Able to identify a cartoon's message and understand the work of cartoons and cartoonists. |  Clearly and succinctly identified the work of a cartoon and cartoonist. |
| Design and draw a simple machine to complete a simple task | Design implemented fewer than two simple machines. |  Design used three or four types of simple machines with some repeats. |  Design implemented more than five simple machines that were not repeated.  |
| Structural integrity | Machine was not stable and did not demonstrate simple machine principles. | Machine had some instability in a few areas and demonstrated most simple machine principles. | Machine was built strongly and demonstrated most of the simple machine principles. |
| Evaluate your Rube Goldberg machine | Able to explain how the simple machines worked together to accomplish a specific task. |  Able to give detailed explanation of how the simple machines worked together to accomplish a specific task. | Able to use scientific and every-day language to explain how the simple machines work together to accomplish a specific task. |
| Creativity, problem-solving and collaboration | Demonstrated some creativity, problem-solving and collaboration throughout task. | Demonstrated some creativity, problem-solving and collaboration throughout task. | Demonstrated some creativity, problem-solving and collaboration throughout task. |