

YIP Invention Design Model/Prototype Rubric

	Exemplary (4)	Proficient (3)	Progressing (2)	Beginner (1)	Points
Invention Design Process	<ul style="list-style-type: none"> Includes a descriptive and clear drawing of model that is detailed and labeled. Effort is evident in model of the prototype. Redesign is significantly different and shows changes in performance of model. 	<ul style="list-style-type: none"> Includes a clear drawing of model with some labels. Effort is put into model of the prototype. Redesign is different but does not show changes in performance of model. 	<ul style="list-style-type: none"> Includes a basic drawing of model with no labels. Does not put time or effort into the model of the prototype. Redesign shows no real changes and does not change results of performance. 	<ul style="list-style-type: none"> Does not include drawing of model. Little or no time or effort was put into the model of the prototype. Does not attempt redesign. 	_____/4
Work Style	<ul style="list-style-type: none"> Works independently with focus and efficiency. Works with others to share ideas as appropriate. 	<ul style="list-style-type: none"> Works independently and is focused most of the time. Somewhat works with others to share ideas as appropriate. 	<ul style="list-style-type: none"> Works somewhat independently. Attempts to work with others to share ideas as appropriate. 	<ul style="list-style-type: none"> Does not work on project and/or is a distraction to others. Does not attempt to work others. 	_____/4
Connection to YIP Invention Process	<ul style="list-style-type: none"> Shows advanced skill in connecting the Invention Process to the invention model. Can explain how each step is applied to building the model. 	<ul style="list-style-type: none"> Shows emerging skill in connecting the Invention Process to the invention model. Can explain how steps are applied to building the model. 	<ul style="list-style-type: none"> Shows some skill in connecting the Invention Process to the invention model. Cannot explain how each step is applied to building the model. 	<ul style="list-style-type: none"> Does not show development if skills needed to connect the Invention Process to the invention model. Cannot explain how each step is applied to building the model. 	_____/4