

		Advanced Understanding		Meets the Standard		Approaching Standard		Does Not Meet
	Notes & Comments	4	3.5	3	2.5	2	1.5	1
Physicist		<ul style="list-style-type: none"> Uses proper vocabulary towards an explanation of the use and control of all forces (spring, tension, and/or friction) involved in movement of their prosthesis prototype. Identifies where torque is applied and how it is used in prototype. Clear and concise explanation (CER) that uses experimental data from the force lab to support your prototype design. 		<ul style="list-style-type: none"> Fails to identify ALL forces (spring, tension, and/or friction) or torque applications involved in prosthetic prototype. Includes explanation (CER) that uses experimental data from the force lab to support claim for your prototype design. 		<ul style="list-style-type: none"> Fails to identify ALL forces (spring, tension, and/or friction) No explanation of torque applications involved in prosthetic prototype. Includes explanation (CER) that uses experimental data from the force lab to support claim for your prototype design. 		<ul style="list-style-type: none"> Fails to identify all forces involved in prosthetic prototype. And does not include explanation (CER) that uses experimental data from the force lab to support your prototype design
Engineer		<ul style="list-style-type: none"> Make a clear and concise explanation of how prototype functions. Explanation for how prototype will accomplish three tasks Explains why specific materials were chosen including vocabulary such as: strength, weight, durability. 		<ul style="list-style-type: none"> Make a clear and concise explanation of how prototype functions. Explanation for how prototype will accomplish three tasks Lacks an Explanation for why specific materials were chosen including vocabulary such as: strength, weight, durability. 		<ul style="list-style-type: none"> Make a clear and concise explanation of how prototype functions. Lacks an Explanation for how prototype will accomplish all three tasks Lacks an Explanation for why specific materials were chosen including vocabulary such as: strength, weight, durability. 		<ul style="list-style-type: none"> Unclear explanation of how prototype functions. Lacks an Explanation for how prototype will accomplish all three tasks Lacks an Explanation for why specific materials were chosen including vocabulary such as: strength, weight, durability.
Biomechanical Specialist		<ul style="list-style-type: none"> Clear and concise description, using CER model, of how the prototype mimics the mechanics and anatomy of the human hand using accurate vocabulary. Accurate reference to anatomical clay hand model as part of the presentation Includes a kinesthetic activity as to how their prototype relates to a human hand for audience/evaluators to do 		<ul style="list-style-type: none"> Clear and concise description, using CER model, of how the prototype mimics the mechanics and anatomy of the human hand using accurate vocabulary. Accurate reference to anatomical clay hand model as part of the presentation 		<ul style="list-style-type: none"> Uses the CER model to explain how the prototype mimics the mechanics and anatomy of the human hand using accurate vocabulary. Lacks an appropriate reference to anatomical clay hand model as part of the presentation 		<ul style="list-style-type: none"> Does not use the CER model to explain how the prototype mimics the mechanics and anatomy of the human hand using accurate vocabulary. Lacks an appropriate reference to anatomical clay hand model as part of the presentation

Marketing		<ul style="list-style-type: none"> • Clear and concise description of how prototype meets the client's needs. • Accurate analysis of costs of materials in the prototype • CER, using marketing design matrix, that explains why specific materials where chosen. • Professional and persuasive sales pamphlet or brochure that promotes the product design and cost benefits. 	<ul style="list-style-type: none"> • Clear and concise description of how prototype meets the client's needs. • Accurate analysis of costs of materials in the prototype • CER, using marketing design matrix, that explains why specific materials where chosen. • Professional and persuasive sales pitch that promotes the product design and cost benefits. 	<ul style="list-style-type: none"> • Lacks one of the following: • Description of how prototype meets the client's needs. • Accurate analysis of costs of materials in the prototype • CER, using marketing design matrix, that explains why specific materials where chosen. • Professional and persuasive sales pitch that promotes the product design and cost benefits. 	<ul style="list-style-type: none"> • Lacks two or more of the following: • Description of how prototype meets the client's needs. • Accurate analysis of costs of materials in the prototype • CER, using marketing design matrix, that explains why specific materials where chosen. • Professional and persuasive sales pitch that promotes the product design and cost benefits.
Presentation Skills		<p>Clear, crisp, authoritative voice.</p> <p>Body language enhances presentation.</p> <p>Demonstrates command of formal English as appropriate.</p> <p>Conveys a distinct, professional perspective (lens).</p> <p>Visual presentation is professionally formatted</p>	<p>Clear, appropriate voice.</p> <p>Body language seems comfortable and appropriate.</p> <p>Demonstrates command of formal English as appropriate.</p> <p>Conveys a distinct perspective (lens).</p>	<p>Audible but quiet, rushed, or fumbling voice.</p> <p>Body language seems somewhat nervous or unsure.</p> <p>Sometimes breaks from formal English inappropriately.</p> <p>Conveys a clear perspective (lens).</p>	<p>Voice is too quiet; pacing is distracting.</p> <p>Body language distracts from presentation.</p> <p>Language is too informal for presentation.</p> <p>Perspective (lens) is unclear.</p>