

# Design Thinking Rubric: Discover

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5... Advanced Proficient	4... Proficient	3... Emerging Proficient	2... Advanced Beginner	1... Beginner
<p><b>Formulate the Problem</b> Using the information given and my prior knowledge, I can accurately frame and clarify the type of problem I am solving and focus my exploration by correctly identifying what I know and need to know about the challenge including what is unclear.</p> <p><b>Finding Information</b> I can use multiple sources and employ varied strategies to find information and tools that will help me solve the problem. I fully consider the validity, quality, and quantity of the information I find.</p> <p><b>Awareness of Constraints</b> I can consider explicit and implicit limitations and requirements that inform my process and the creation of my products.</p>	<p><b>Formulate the Problem</b> Using the information given and my prior knowledge, I can accurately frame and clarify the type of problem I am solving and focus my exploration by correctly identifying what I know and need to know about the challenge.</p> <p><b>Finding Information</b> I can use multiple sources and employ varied strategies to find information and tools that will help me solve the problem. I can consider and correctly evaluate the validity, quality, and quantity of the information I find.</p> <p><b>Awareness of Constraints</b> I consider explicit and implicit limitations and requirements that inform my process and the creation of my products.</p>	<p><b>Formulate the Problem</b> Using the information given and my prior knowledge, I can frame and clarify the type of problem I am solving accurately and focus my exploration by correctly identifying what I know and need to know about the challenge.</p> <p><b>Finding Information</b> I can use sources and employ some strategies to find information and tools that will help me solve the problem. I consider the validity, quality, and quantity of the information I find.</p> <p><b>Awareness of Constraints</b> I consider explicit limitations and requirements that inform the creation of my products.</p>	<p><b>Formulate the Problem</b> Using the information given and some prior knowledge, I am able to restate the problem in my own words and partially identify what I know and need to know about the challenge.</p> <p><b>Finding Information</b> With support I can use sources and employ some strategies to find information and tools that will help me solve the problem. I may consider either validity, quality or quantity of information I find, but may not take into account all three criteria.</p> <p><b>Awareness of Constraints</b> I consider some of the explicit limitations and requirements that inform the creation of my products.</p>	<p><b>Formulate the Problem</b> I attempt to restate the problem, but my problem statement may reflect an inaccurate or partial understanding of the work ahead. I am not able to fully identify what I know and need to know about the challenge.</p> <p><b>Finding Information</b> With support I can use find information and tools that will help me solve the problem. I do not consider validity, quality or quantity of the information I find.</p> <p><b>Awareness of Constraints</b> I am aware of some of the explicit limitations and requirements that inform the creation of my products but I do not fully understand the limitations present.</p>

# Design Thinking Rubric: Define

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5...	4...	3...	2...	1...
Advanced Proficient	Proficient	Emerging Proficient	Advanced Beginner	Beginner
N/A	<p><b>Classify Information</b> I have a system that allows me to accurately organize, analyze and evaluate the information I have gathered.</p> <p><b>Reevaluate the Problem</b> I can consider the information I have gathered up to this point to revise my problem statement and make appropriate changes, if needed.</p> <p><b>Consider Alternate Methods</b> I can propose multiple pathways to solve my challenge ranging from low hanging to wild ideas.</p>	<p><b>Classify Information</b> I have a system to organize, analyze and evaluate the information I have gathered.</p> <p><b>Reevaluate the Problem</b> I can consider the information I have gathered up to this point to revise my problem statement and make changes, if needed.</p> <p><b>Consider Alternate Methods</b> I can propose at least one alternative pathways to solve my challenge.</p>	<p><b>Classify Information</b> I attempt to organize, analyze and evaluate the information I have gathered.</p> <p><b>Reevaluate the Problem</b> I can consider the information I have gathered up to this point to revise my problem statement but make limited changes.</p> <p><b>Consider Alternate Methods</b> I have an idea for an alternative pathway or solution set to solve my problem, but am unwilling or unable to execute it.</p>	<p><b>Classify Information</b> I attempt to organize, analyze and evaluate the information I have gathered but have limited success in doing so.</p> <p><b>Reevaluate the Problem</b> I can consider the limited information in an attempt to revise my problem statement but revise inaccurately or hold to dearly my first attempt or hypothesis.</p> <p><b>Consider Alternate Methods</b> I am only able to imagine a single method or solution path to the problem, or I am unwilling to consider an alternative method.</p>

# Design Thinking Rubric: Design

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5... Advanced Proficient	4... Proficient	3... Emerging Proficient	2... Advanced Beginner	1... Beginner
N/A	<p><b>Create a Plan for solution</b> I can create a plan to solve my challenge that is: viable, includes time constraints, benchmarks, accountability measures and a logical sequence.</p> <p><b>Create plan for testing</b> I can create an accurate system of gathering feedback from stakeholders. I can identify the criteria my prototype will address and may create several representations to evaluate specific features.</p> <p><b>Create a prototype</b> I can create a testable first attempt at a solution. I am aware of the strengths and weaknesses of my prototype. My prototype meets identified testable requirements.</p>	<p><b>Create a Plan for solution</b> I can create a plan to solve my challenge that is: viable, includes time constraints and benchmarks.</p> <p><b>Create plan for testing</b> I can create some system for gathering feedback from stakeholders. I can identify the criteria my prototype will address.</p> <p><b>Create a prototype</b> I can create a testable first attempt at a solution. My prototype meets identified testable requirements.</p>	<p><b>Create a Plan for solution</b> With support, I can create a plan to solve my challenge that is: viable and includes benchmarks.</p> <p><b>Create plan for testing</b> I identify that I need to gather feedback from stakeholders, but may not have a clear plan in place to do so (or may use a teacher provided plan). I mostly identify the criteria my prototype will address.</p> <p><b>Create a prototype</b> I partially create a first attempt at a solution, or I fully create a prototype that is not testable. My prototype meets identified testable requirements.</p>	<p><b>Create a Plan for solution</b> With support, I can create a plan to solve my challenge that is may be viable but does not have any clear steps towards the solution.</p> <p><b>Create plan for testing</b> I identify that I need to gather feedback from stakeholders, but may not have a clear plan in place to do so (or may use a teacher provided plan). I am able to identify limited criteria that the plan will address but may not capture all elements I need feedback on.</p> <p><b>Create a prototype</b> I partially create a testable first attempt at a solution, or I fully create a prototype that is not testable. My prototype does not meet all identified testable requirements.</p>

# Design Thinking Rubric: Develop

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5...	4...	3...	2...	1...
Advanced Proficient	Proficient	Emerging Proficient	Advanced Beginner	Beginner
N/A	<p><b>Test the solution</b> I can evaluate the successes and failures of my attempt against my established criteria.</p> <p><b>Synthesize and analyze feedback</b> Using a system I created, I can accurately organize, analyze and evaluate the feedback I have gathered. My system allows me to identify trends and determine next steps.</p> <p><b>Revise the solution</b> I can revise my work to create a stronger, more responsive solution to the challenge, based on my tests and feedback.</p>	<p><b>Test the solution</b> I can evaluate some successes and failures of my attempt though I may not identify all elements of success or failure, or may not use previously established criteria to self-evaluate.</p> <p><b>Synthesize and analyze feedback</b> I can organize, analyze and evaluate the feedback I have gathered.</p> <p><b>Revise the solution</b> I can revise my work to create a stronger solution to the challenge, based on my tests and feedback.</p>	<p><b>Test the solution</b> I can evaluate some successes and failures of my attempt, but may have an inaccurate understanding of my own work, either by being too critical, or unwilling to see pitfalls of my work.</p> <p><b>Synthesize and analyze feedback</b> I attempt to organize, analyze and evaluate the feedback I have gathered with some success.</p> <p><b>Revise the solution</b> I can revise my work to create an alternative or modified solution to the challenge based on my tests and feedback that may not improve on the original.</p>	<p><b>Test the solution</b> I am unable or unwilling to evaluate the successes and failures of my attempt.</p> <p><b>Synthesize and analyze feedback</b> I attempt, with limited success to organize, analyze and evaluate the feedback I have gathered.</p> <p><b>Revise the solution</b> I attempt to revise my work to create an alternative or modified solution to the challenge based on my tests and feedback but my revision may not reflect the feedback or only reflected limited elements of the feedback.</p>

# Design Thinking Rubric: Deliver

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5...	4...	3...	2...	1...
Advanced Proficient	Proficient	Emerging Proficient	Advanced Beginner	Beginner
<p><b>Engage in external evaluation</b> I can thoughtfully justify my decisions and process, including a clear description of intentional pivoting or reformulating.</p>	<p><b>Present findings to an external audience</b> I can present my findings to an appropriate external audience in a way that is tailored to the needs of the audience.</p> <p><b>Engage in external evaluation</b> I can justify my decisions and process.</p> <p><b>Reflect on the results</b> I can authentically reflect on my process and product, both ultimately and throughout the process and consider what I learned, how I developed, and what I could do better next time.</p>	<p><b>Present findings to an external audience</b> I can present my findings to an external audience, taking into account some elements of the audience and purpose.</p> <p><b>Engage in external evaluation</b> I can justify my decisions and speak to my process, but may not be able to fully articulate all elements of the process.</p> <p><b>Reflect on the results</b> I can reflect on my process and product and consider what I learned, how I developed, and what I could do better next time.</p>	<p><b>Present findings to an external audience</b> I can present my findings to an external audience, though I may not consider or address the intended audience and purpose.</p> <p><b>Engage in external evaluation</b> I can justify some of my decisions. I address my process when prompted, but am not able to speak about it with independence.</p> <p><b>Reflect on the results</b> With prompting, I can reflect on my process and product and consider what I learned and what I could do better next time. My reflection may be simplistic or reflect the most obviously learnings, but neglect some of the process elements.</p>	<p><b>Present findings to an external audience</b> I struggle to present my findings to an external audience, and/or do not audience and purpose.</p> <p><b>Engage in external evaluation</b> I have difficulty justifying my decisions or addressing my process, even with prompting.</p> <p><b>Reflect on the results</b> Even with prompting, I struggle to reflect on my process and product and am unable to fully consider what I learned and what I could do better next time.</p>