



STEMARTS DESIGN PROCESS QUIZ

Now that you have completed your project, you can use this tool to discover what you have learned from the process. Maybe you'll discover some surprising things about how you work best, and what you find easy or difficult. The survey is divided into the 7 key stages of the STEMArts Design Tool to help you think more about each stage. You can answer them as you complete each stage or at the end of the process. You may want to revisit the steps in your journal along the way. You can answer the questions alone or with your design team if you chose to collaborate. Once you have decided on your project purpose or area, you need to start working on how to complete your project. While it may seem obvious, identifying the best solution is not always as simple as it sounds.

Stage One: Define Purpose

1. How have you decided on what projects to do in the past e.g. project set by teacher, selected from a range of projects ideas or developed your own project ideas?
2. How easy / difficult was it to define your purpose?
3. Did looking at the artists' approach to their work and the Wiki-Resource help and inspire you? Was there too much information within a new area for you to choose a direction?
4. Did you try to visualize your ideas or map the project in advance? Make a list of the methods you used and mark which worked best for you.
5. What did you already know about the subject area or project idea you had? Make a list - this will help you to see what you learned at the end of the project.
6. Where did you find the information you needed and did you discover any new resources or other useful information on the way?
7. Make a note of anything new you discovered - its a good idea to start collecting information for the future.
8. Did you talk to anyone for information for your project? Think about how you approached them and if you got the information you needed easily. If you didn't, why do you think this was? What would you do differently next time?



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This stage of the process will help to start allowing ideas to formulate. You can use this section of the survey to help you think about the process and what you have learned about your process of brainstorming.

Stage 2: Brainstorming

1. What did you find was the most useful way to help you come up with ideas? Did you work more with drawings, collages, software, or models to develop your ideas? Did you use a mix of techniques? What worked best for you? Look back at all your research and see what you used most. This will help you see what methods work best for you. You will also be able to see what didn't work by looking at what produced the most progression in your ideas.
2. Did you notice particular things that inspired you during your brainstorming stage?
3. Did you explore a number of areas at first or did you follow a particular direction quite quickly?
4. Did you try any of the ISEA2012 artists' brainstorming techniques? How were they different from how you normally work? How did they work for you and would you use them again?
5. Did you discover any new ways of brainstorming or developing ideas? What were they? How did you capture or record your ideas and thoughts? Think about how you normally work compared to using new tools or techniques during this project.
6. Did different tools / techniques work better for different stages of your brainstorming throughout the project? Can you think of anything that you discovered about how YOU develop ideas?
7. Think about what worked well for you and why. Was it a stage of the project or was it a tool that worked best for you?
8. Did you spend time, when you weren't working on your project, thinking about your project?
9. If you did, how did you capture your thoughts and ideas? It's useful to carry a notebook or use your phone as a voice recorder to make a note of your ideas at any time.
10. Did you discuss the early stages of your project with friends, other students, and/or family? Try to think about what was helpful or unhelpful and why - it could help you with future projects.



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Stage 3: Research

You will go back and forth between the two until you came up with your project plan. After brainstorming for some ideas, you need to research to learn more about the topic or medium, which in turn will lead you to more brainstorming. This section of the survey will help you consider what research methods worked for you.

1. What research tip or tool have you learned on this project that you would you share with others and why?
2. Out of all the tools / methods you used, which worked best for you and why? Consider all the tools you used e.g. the ISEA2012 curriculum, the internet, software, -media tools, your journal, camera, or talking with others.
3. Did different tools work better for different stages of the research process. Think about what tools you used and what stage of the process you used them – you might think some are more useful than others for different stages, Why?
4. How did you gather and organize your information? Were there certain ways that worked better for you e.g. mind mapping, pictures or tables?
5. Did you discover new tools and techniques to combine with tools or methods you already use?
6. How many different areas did you have to research to make your project and what were they?
7. Were any of the areas you researched new to you?
8. Did you discover new areas that you will return to for new projects or inspiration or just to learn more about?



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Stage 4: Design & Collaborate

This stage of the process includes your design approach and could also be called 'Forming Your Strategy'. This can be the hardest part. The approach used will vary depending upon the situation and your unique choices. This section of the survey will help you to consider and reflect on how you managed this stage of your project and what you learned from the process.

1. How did you decide on your project plan. What was important to think about before you started your project?
2. What time and resources did you have for the project and how did this effect the final outcome?
3. Did you find it easy or difficult to decide on your priorities?
4. How did you prioritize your tasks e.g. were they decided by access to information, external issues or availability of materials? If you worked in a group, how did you divide up the tasks? Think about how you made decisions on who would do what. Did this work well?
5. Did you have all the skills you needed to make the piece? What new skills did you develop during your project?
6. If you worked in a group, did some people have skills that were useful – How did you find out each other's strengths?
7. Which areas or stages were difficult / easy for you within your project? If you worked in a group what did / didn't work well and how did you manage that? If you needed help, was it easy to ask for and how did you make sure you got the right help?
8. Do you feel more confident about the process of designing or working with others now?
9. How do you think your new skills could open up more opportunities to do other projects or work with others people?



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Stage 5: Test and Refine

To complete your project, you had to test and refine your design and ideas, maybe, even building models / maquette or prototypes to see if it works. You will have learned a lot from this process and this section of the survey will help you to consider what you have learned, your successes and your failures.

1. How many versions of your project did you make and can you see improvements in each version?
2. Did some of your ideas not work and can you see how they were useful in developing your final project?
3. If you needed help, was it easy or difficult for you to ask and how did you make sure you got the right help?
4. Think about what made it easy or difficult to ask for help and what you have learned about asking for help for the future? Think about what you needed help with and if you were clear in your questions and in selecting the right help.
5. Did you build a maquette, model or prototype before you completed your project?
6. How did this help you visualize your project? Did you discover anything important about your ideas and whether or not they worked?



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Stage 6: Present

You will have considered and explored options for presenting your work but this is the time to work out the details. Your venue or platform will often determine the presentation format. This section of the survey looks at what informed your decision making process and what was useful.

1. When you started your project did you think about where or how you will presented it? How did you think you might present it and where? Was this in a gallery, a shop or at school?
2. Now you have presented your final project – did you present it where and how you initially planned? Think about what changed and why. Consider your whole process and what made you change your mind?
3. In the end, did you present your whole project as a finished piece or did you present aspects or images of the process?
4. How many other ways do you think you could present your project, e.g. online, as photographs, or as a video? What do you need to think about for each presentation?
5. Now that you have presented your final project, what do you think are the benefits of presenting work? List 3 benefits that you got from presenting you work.



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Stage 7: Share and Evaluate

By this stage, you will have shared your work and be evaluating the process. This is the final stage before starting a new project and it enables you to consolidate everything you have learned and take it into your next project. This final stage in the survey helps you to make the most of your project as well as reflect on your achievements.

1. What surprised you the most about your final project and the process?
2. Did the project take more or less time than you expected to complete? Think about which stages were shorter or longer and if any stages took more or less time than you imagined.
3. Is there anything other than the final project that you might like to share? Just like the artists' surveys you read at the start of your project, people may want to know more about your process or how you reached your final project.
4. How would you best share this?
5. Has anything changed about how you will share your results (your project and process) now that you have completed the project? Think about who you want to share it with and what you may need to do so that those people get to see your project.
6. Is it important to you that people get it or just like it, even if they don't get it?
7. Do you think your project is successful? If you saw your piece in the gallery, would you like it? Now that you understand the whole process of making a piece of art, what might you consider when you are looking at work? What do you like or not like about it?
8. Can you see your work from multiple perspectives? Does this change how you view the overall project?
9. Now you have completed your final project, what do you hope the audience will get from your work? Think about if this has changed from when you started and why this might have changed.
10. Did you complete the REFLECTIVE LOG? Did you find that helpful? Why?