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Steminist Discover
Student Guideline

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Name:_____

Team:_____

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Stage One – Define

Learning to define a problem that we would
like to solve. To be successful, we will:
- Use big picture thinking to scan information.
- Ask lots of questions.
- Consult with relevant stakeholders.

1. Please brainstorm & list all the topics that are the problems according to you?

2. How is the problem affects your business, stakeholders, & user? What's your evidence?

3. List 3 new facts that you have found out from your resources.

4. Who/what does your problem impact? (These are stakeholders)

5. Where is/does your problem occur & Why this is become a problem?

6. What was done to fix the problem?

7. What do you think might happen if the problem is not fixed?

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Stage Two – Discover

Learning to gather and analyse knowledge.
Do the following things to be successful: Locate,
analyse and arrange new information.

1. What types of information will be best to look at?

2. Where will be the best place(s) to get this information?

3. What key words will I use to try and find information?

4. How important is it that the information is current/recent?

5. How will I know if this information is true or accurate?

6. Include a diagram or picture here of something related to the problem

7. What questions will I be trying to answer?

8. List 3 things you have found out about your problem?

9. Which resources gave me the best information?

10. Some solutions I discovered that could help solve my problem are:

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Stage Three – Dream

Learning to consider all possibilities for solutions. Do the following things to be successful: Brainstorm and share all ideas, using our imagination and creativity.

1. **Why is it important to solve this problem?**

2. **If you could "wish" the solution into being without barriers (Like money), what would you wish? Create a brainstorm.**

3. What timeframe would be needed for this problem to be fixed completely?

4. What would be the best possible outcome for solving this problem?

5. Where has this issue been solved previously, describe these situations and consider if they were successful? Add a diagram or picture here.

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Stage Four – Develop

Learning to a single solution to the problem. Do the following things to be successful : Arrow down ideas and communicate clearly with others.

1. **In your group, each person picks out 5 of their favourite ideas that they think are awesome. Write down the ones you have in common.**

2. **Focus on the top solutionfor each person, complete a PMI of each of the top solutions (each person completes the PMI about their question in their book, but contributes to all questions.**

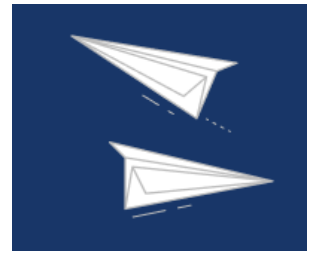| Plus	Minus	Interesting

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3. Negotiate in your group, and pick one solution that you think you can create and implement as a team. Complete a detailed PMI and add this here.

Plus	Minus	Interesting

4. Describe your group'ssolution in wordsor in a short video, and/or draw your solution with labels. Add as much detail to the design as you can so in the next stage you can develop and deliver your solution.

Stage Five – Deliver

Learning to produce and present solution.
Do the following things to be successful:
successfully communicate your solution
and product that have been created.

1. **What is your solution and how will it work to solve the problem?If you have tested the solution, what are the success indicators (how do you know it is successful)? Write, draw or find a way to sharein this space.**

2. **What is going to be the best way to shareyour solution withothers? (Demonstration, video, infographic etc.)**

3. Who is the target audience you are trying to convince/inform about your solution?

4. How are you going to know if your solutionwill/does work? (Whatwill be the evidence).

5. What are the success indicators you will use?

6. If you have tested the solution, what are your success indicators? (How do you know it is successful)

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Stage Six – Debrief

Learning to reflect on process to measure success.
Do the following things to be successful: Think
about what worked and what didn't, and reflect on
success indicators.

1. What was the problem and how has your solution solved this problem (Make it contextual)?

2. Draw or describe improvement to your solution based on conversations with yourpeers and stakeholders.

3. What are the positives of your solution? Write a list.

4. What are some issues that you have detected in your solution?

5. Consider all the stages of the PBL that you completed. Which was the most challenging stage and why: (1) Define, (2) Discover, (3) Dream, (4) Develop, and (5) Deliver?

6. What was the best aspect of the project experience (For example, working with your friends)?

7. What was the most important thing you learned as a result of undertaking this project?

8. How well did you work as a group?

9. What actions will you take as a resultof the new knowledge you have gained?

10. What did you do well and what did you struggle with?

Congratulations!

You have made our world a little brighter & a little better.

Bibliography