1. Experience

DO

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Extension and Outreach
Experience – the “DO”

**Have youth** “do” before they are shown or told how.

**While adults:**
- plan time for reflection
- ask open-ended questions
- listen carefully
- support different learning styles

**Make it more Inquiry based!**
Youth could also:
- raise questions to explore
- make predictions
- design an investigation to test their ideas
- record their observations (measure/draw/collect data)
- troubleshoot their designs
2. Share
**Ask youth** to describe what they did.
- What did you see, feel, hear, smell, taste?
- What planning did you do?
- What surprised you?

**Make it more Inquiry based!**

Have Youth:
- Make a representation of what they discovered (picture, model, graph, table, demonstration, play, poem/rap).
- Explain their discoveries in words.
3. Process

REFLECT

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Process – Reflect

Ask youth to reflect on what they did.
• How did you do it?
• How did you make your decisions?
• What was most challenging?
• How did you solve it?
• What skill(s) did you use or practice?

Make it more Inquiry based!
Ask Youth:
• How did your results compare to your predictions?
• How did you change your investigation process?
• What new questions do you have now?

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4. Generalize 

APPLY
Generalize – Apply

Ask youth to apply what they learned.
• What did you learn?
• What did you learn about the way you approach a task?
• What did you learn about working with a team?

Make it more Inquiry based!
Ask Youth:
• What did you learn about … (topic under investigation)…?
• What did other group members discover?
• How do different discoveries relate to each other?
• What new problems do you think need to be solved/investigated?

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5. Apply
Apply

Ask youth to apply what they learned.
• How will you use what you learned?
• What did you learn about yourself?
• How can you apply what you learned to a different situation?

Make it more Inquiry based!
Have Youth:
• Design a new investigation based on what they learned.
• Redesign/rebuild incorporating what they learned.