

Questions to facilitate STEAM Making experiences

Initial

Tell me about what you're making.

What's your plan?

What background knowledge do you have and how will that help to facilitate this process?

Why did you choose these particular materials?

Did you consider any other designs?

What purpose does it serve?

Developmental

Can you make a sketch or a model to help you design your _____?

What is your next step?

Is there another way to solve that problem?

How could we try to _____?

What were you thinking when you _____?

How might you accomplish your goal?

How would the outcome be different if you chose _____ instead of _____ material?

Did you consider proportions of measurements in your model?

How are you contributing to the group?

What is your role?

Reflective

What obstacles did you encounter?

What would you change or do differently next time?

What advice would you give to others about making/using _____?

Is your end result what you expected?

How did your original design change with the end product?

Are there any other materials you wish you had?