THINKING
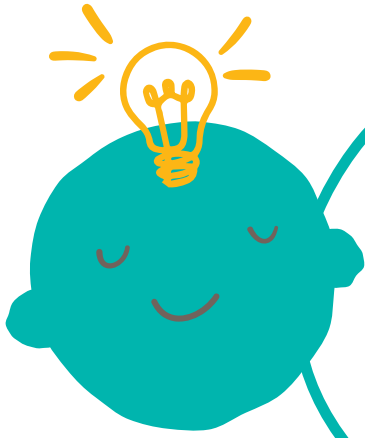
ABOUT A PROBLEM

What problem are you trying to solve?

Helps identify and articulate the problem

How can you help build something?

Helps build empathy and empowers children

What parts do you think are needed for your design?
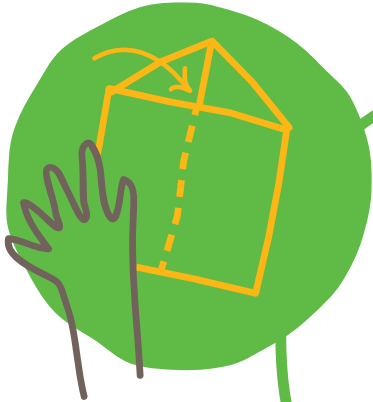
Develops executive function through planning

Bay Area Discovery Museum

THINK, MAKE, TRY

MAKING
A PROTOTYPE

What materials will you use to make your design?

Prompts exploration and comparison of properties of materials

How will your design help to solve the problem?

Encourages making connections between function and design

Can you think of any other design ideas?

Sparks creative thinking through brainstorming of multiple solutions

Bay Area Discovery Museum

THINK, MAKE, TRY

What do think will happen when you test your design?

Encourages children to make predictions

What worked well in your design?

Helps focus on cause and effect

What happened that was surprising?

Boosts critical thinking by focusing on areas of improvement

Bay Area Discovery Museum

THINK, MAKE, TRY