



Print and use this notepad to jot down your reflections and insights.

THE DESIGN PROCESS IN ACTION

WORKSHOP NOTEPAD

Design Process Step

IDENTIFY THE PROBLEM

WATCH AND LEARN: Cardboard Furniture

What two strategies does Nate use to help teammates absorb the important points of the challenge?

REVIEW AND REFLECT

What are some ways to introduce activities to your kids?

How can you check your kids' understanding of the challenge?

Design Process Step
BRAINSTORM

WATCH AND LEARN: Water Dancing

While brainstorming, what do the teams use for inspiration?

How do they communicate their ideas?

WATCH AND LEARN: PVC Kayak

What does Nate do to get everyone involved in the brainstorm?

REVIEW AND REFLECT

What are some ways you can encourage a high-energy, free-flow of ideas with your kids?

Jot down some notes on how you might help your kids brainstorm.



Design Process Step

DESIGN

WATCH AND LEARN: Gravity Bikes

How does the Green team turn their idea into a plan?

REVIEW AND REFLECT

How can you help your kids choose their best idea and get ready to build it?

Can you think of ways to help your kids understand the value of designing before building?



Design Process Step

BUILD, TEST, EVALUATE, AND REDESIGN

WATCH AND LEARN: Hockey Net Target

How does the Green team's test go?

What does the team do after testing?

How does Nate help direct their next steps?

WATCH AND LEARN: No Crying in Baseball

When the Green team tests the plunger, what's the outcome?

REVIEW AND REFLECT

What are some techniques for tactfully directing your kids toward better design solutions?

What are some ways to keep your kids from getting discouraged if their designs don't work?



Design Process Step
SHARE SOLUTIONS

WATCH AND LEARN: Green Machine

Record what team members say about how they used the design process.

REVIEW AND REFLECT

How can you encourage your kids to communicate what they've learned in a challenge?

How do you channel kids' competitive tendencies in constructive ways?



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