



# Gather At-Home Materials and Printable Prep

## Team Hamster and Ruff Ruffman



Today we will: Investigate force and motion by building ramps

**Before event day:** Gather at-home materials and make the journal.

**On event day:** Grab your materials, log into zoom with your personalized registration link and get ready for some fun!

### Gather at-home

#### ACTIVITY 1: Roll to the Rescue

Items for ramp investigations:



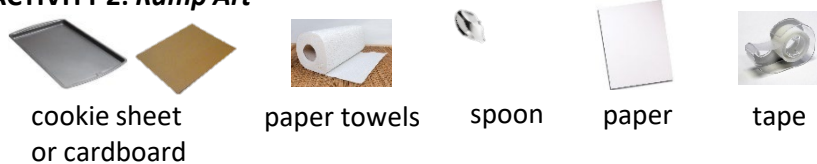
Items to build a ramp:



#### Favorite Snacks

(save a small piece to see if rolls or slides down the ramp)

#### ACTIVITY 2: Ramp Art



Paint or watercolors

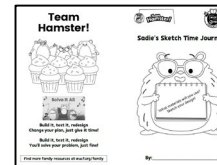
(Check out the DIY paint & watercolor recipes)

### Printables & Prep

Sadie's Sketch Time  
Journal cover page

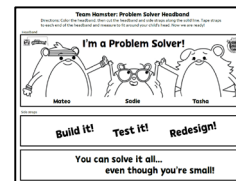
Two sheets of  
paper

Stapler



**How to make your journal:**

1. Print *Sadie's Sketch Time Journal* cover page **or design your own**.
2. Place blank paper behind the cover page and fold in half.
3. Staple at the fold to make your journal



#### I'm a Problem Solver Headband

Color the headband and side straps, then cut out along the solid line. Tape straps to each end of the headband and measure to fit around your child's head. **OPTION: Design your own headband!**

**DIY Paint Recipe** - Blend  $\frac{1}{2}$  cup flour and  $\frac{1}{2}$  cup salt; add  $\frac{1}{2}$  cup of water and mix until smooth. Divide into small containers, add your choice of food coloring and mix well.

(Note: Add a little more water to make the paint runny for Ramp Art)

**OR**

**DIY Watercolors using Markers** - Place each marker into a cup with enough water to cover the tip and leave them for a few hours or overnight. Now you can use the watercolors or even in place of food coloring to make paint.

# Team Hamster!



## Sadie's Sketch Time Journal



**Build it, test it, redesign  
Change your plan, just give it time!**

**Build it, test it, redesign  
You'll solve your problem, just fine!**

Find more family resources at [wucf.org/family](http://wucf.org/family)

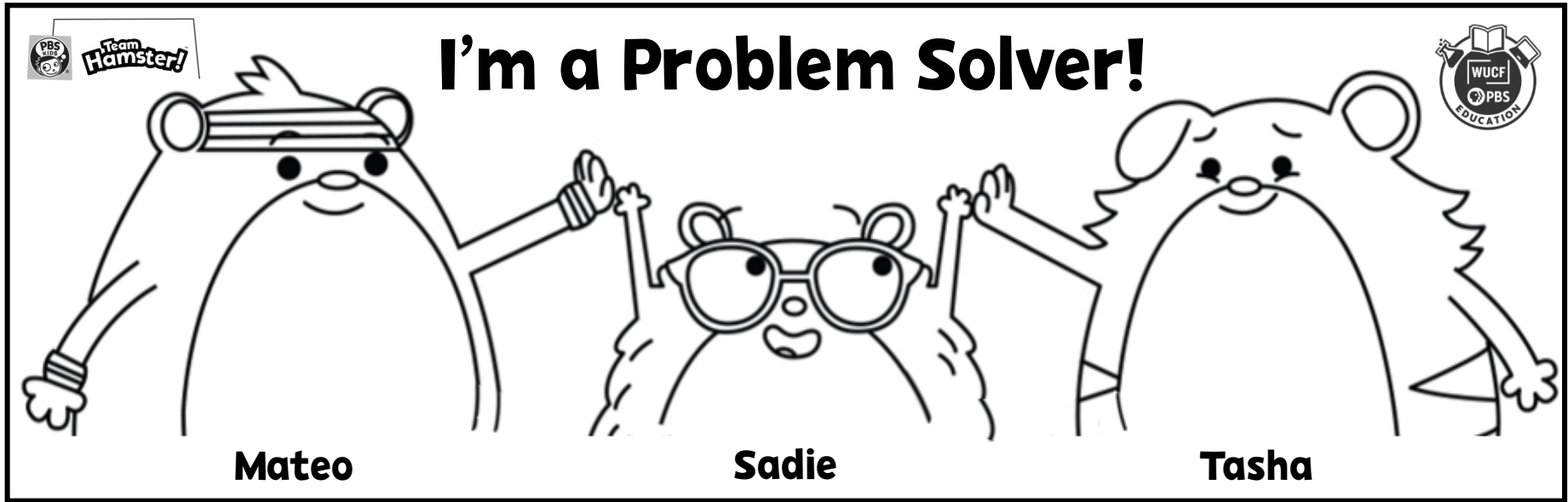


**By:** \_\_\_\_\_

## Team Hamster: Problem Solver Headband

Directions: Color the headband, then cut the headband and side straps along the solid line. Tape straps to each end of the headband and measure to fit around your child's head. Now we are ready!

Headband



Side straps

**Build it!**

**Test it!**

**Redesign!**

**You can solve it all...  
even though you're small!**