



## **Go Play With Trash Reflection Worksheets**

The following worksheets are designed to supplement and enrich your experience with the *Go Play With Trash* ebook.

## **RE-IMAGINE IT!**

How does changing the angle of the fins affect the spin? What would happen if you folded them the opposite way?

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Doodling space:

## **RE-IMAGINE IT!**

What could you plant with your seed paper to help pollinators in your community?  
Who would benefit from your garden?

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Doodling space:

## **RE-IMAGINE IT!**

What pattern or design did you create on your spinner? How could you make an even more eye-catching optical illusion?

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Doodling space:

## **RE-IMAGINE IT!**

What launch angle made your rocket go the farthest? If you were teaching a friend to build this, what tip would you share?

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**Doodling space:**

## **RE-IMAGINE IT!**

What happens to the sound if you add a third person to the conversation? How could you adapt your design to connect more friends?

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Doodling space:

## RE-IMAGINE IT!

Which airplane design flew the farthest? What changes would make it fly even longer or straighter?

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Doodling space:

## RE-IMAGINE IT!

How did friction help or hurt your horse's movement? What surface worked best, and why do you think that is?

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Doodling space:

## RE-IMAGINE IT!

If your parachute was protecting something fragile (like an egg), what would you change to make the landing even gentler?

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Doodling space:

## RE-IMAGINE IT!

What different sounds did you create? How could you use this to send messages or make music with others?

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Doodling space:

## **RE-IMAGINE IT!**

What pattern did you create, and what mood do you think your light pattern will create? Who could use a beautiful light like this?

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Doodling space:

## **RE-IMAGINE IT!**

What was your strategy for keeping your balance? How did your technique change as you practiced?

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Doodling space:

## **RE-IMAGINE IT!**

What other objects could you move using static electricity? What surprised you most about how the can moved?

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**Doodling space:**

## **RE-IMAGINE IT!**

This activity takes patience! What helped you succeed when it didn't work the first time? What would you tell someone who feels frustrated?

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**Doodling space:**

## **RE-IMAGINE IT!**

How many bubbles could you create at once? What recipe or technique could you share with someone who wants bigger, stronger bubbles?

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**Doodling space:**

## **RE-IMAGINE IT!**

What could you create with your plastic fabric that would be useful or beautiful?  
How does upcycling help our planet?

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**Doodling space:**

## **RE-IMAGINE IT!**

How could you adjust your design to water different types of plants or hard-to-reach places? Who in your community might benefit from this upcycled tool?

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**Doodling space:**

## **RE-IMAGINE IT!**

What did you observe about how temperature affects air pressure? Where else in everyday life do you see this happening?

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**Doodling space:**

## **RE-IMAGINE IT!**

How far could you shoot water, and what changed the distance? How could you work with others to create a target challenge game?

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**Doodling space:**

## **RE-IMAGINE IT!**

What's the strongest rope you could make from 'trash'? How does turning waste into something useful show personal responsibility?

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**Doodling space:**

## **RE-IMAGINE IT!**

What scoring system would make your game fair and fun for everyone? How did you adapt your throwing technique to improve your score?

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Doodling space:

## **RE-IMAGINE IT!**

What did you learn about speed and slope from building your chute? If you were working with a team, how would you divide up the building tasks?

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Doodling space:

## RE-IMAGINE IT!

What colors appeared when your disc spun fast? What other optical illusions could you create using spinning motion?

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Doodling space:

## **RE-IMAGINE IT!**

How does stored energy in the rubber band become motion? What creative ways could you use this launching mechanism for other projects?

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Doodling space:



## RE-IMAGINE IT!

What patterns did your robot create? Is there beauty in randomness, or did you find a way to control the design?

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Doodling space:

## RE-IMAGINE IT!

This was the most complex build! What problem-solving strategies helped you when things got difficult? How could your windmill design help provide clean energy?

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Doodling space: