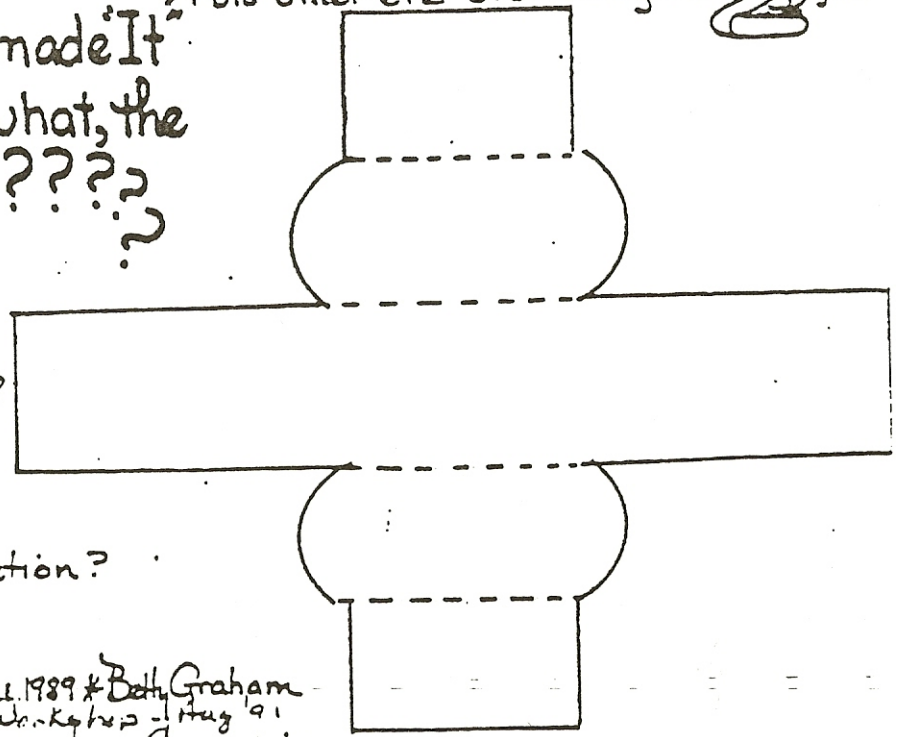
MAKE A "FLIP-FLOP"

NEED:

* a "flip-flop" pattern
* marble
* scissors, glue, crayons

DO THIS:

1. Decorate then cut along outer lines.
2. Fold on the fold lines.
3. Fold side flaps and glue.
4. Fold over one of the ends and glue.
5. Place marble in the "Flip-Flop".
6. Fold other end over and glue.



Now that you have made it can you explain the what, the how, and the why????

What role does inertia play?
What is the role of momentum?
What is the role of the inclined plane?
Is friction a factor?
Does the "Flip-Flop" accelerate?
Does it decelerate?
Does shape affect the action?
Explain your thinking!!

From:
CESI * Meet, Greet, Make & Take * SEATTLE 1989 * Beth Graham
used at DDETI Tier II workshop - Aug '91
1/13/92 ESM Conference - Courtesy of [illegible]

- Why doe it stand momentarily on end?
- Why does it do flip flops or go end over end/
- What is the cause of these actions.
- What role does inertia play?
- What is the role of momentum?
- What is the rold of the inclined plane?
- Is friction a factor? Why or why not?
- Does the flip flop accelerate or decelerate? Explain
- Does shape affect the action? How?

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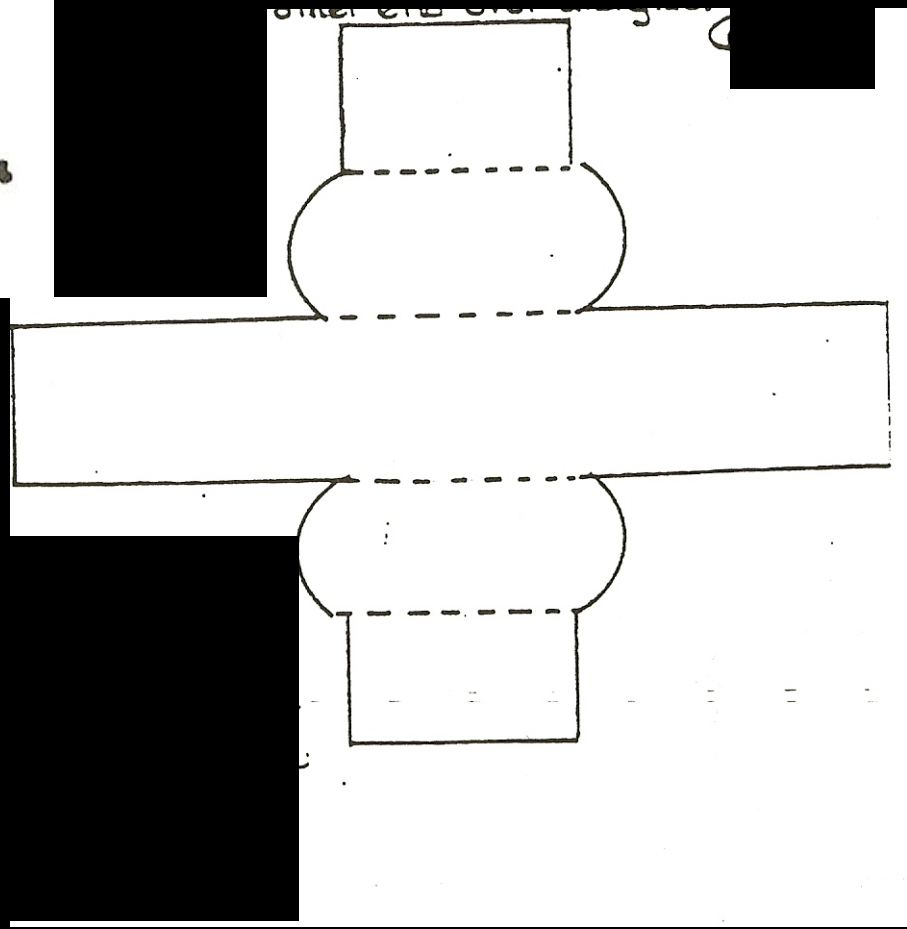
Fold other end over and glue.



Adapted from work by Betty Graham

- Decorate
- Fold on the dotted lines
- Fold side flaps and glue
- Fold over one of the ends and glue
- Place marble in the *Flip Flop*
- Fold other end and glue.

BSERVE a "Flip-Flop"!

Why? Why does it stand momentarily on end?
Why? Why does it do flip-flops or go end over end?
What is the cause of these actions by this little peanut shaped object?
Can you explain what happens? Can you explain why it is happening?

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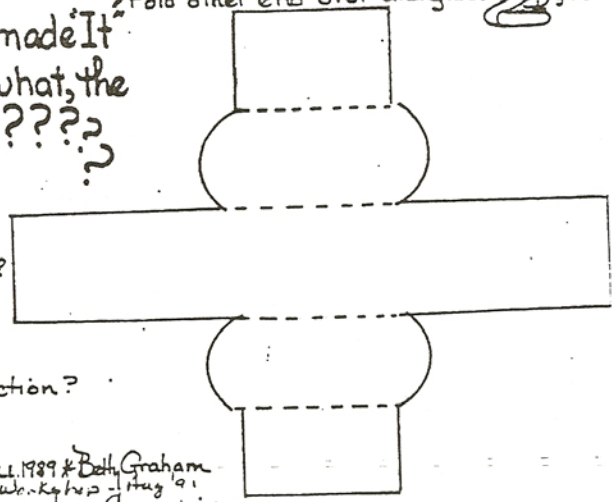

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