

## Activity Instructions

Activity Name: Why Don't Balls Fly Like Balloons

Study: Balls

Objective for Learning: 7a

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The following supplies are needed for this activity:  
ball, book, balloon, crayon, and paper

Instructions:

1. Explain the definition of gravity. Gravity ['gravədē] NOUN  
*Physics* - the force that attracts a body toward the center of the earth, or toward any other physical body having mass.
  2. Hold a ball or book in your hand and ask your child will it fly when you let it go?
  3. Drop the book/ball allow it to fall. (gravity example)
  4. Discuss helium and air in a balloon. Helium is a gas that is lighter than air, so it allows balloons to float – fly away.
  5. Blow up a balloon in front of your child and ask him/her did you use helium or air? Explain how air helped blow up the balloon.
  6. Toss the balloon in it and it will float but eventually fall to the ground.
  7. Let your child use a crayon and paper and draw balloons flying in the sky.
  8. Ask your child to draw balloons flying away. Use this time to talk about gravity, air, helium. Talk about how most balls are filled with air that allows them to bounce and float but not fly.
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