**Gizmos and Gadgets**

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| *Parent and Leader Guidebook:* page 60-62 *Lion Adventure Book*: page 12   * Explore properties of motion. * Explore properties of force. * Use household materials to create a useful object. |

**Materials**

* Copies of King of the Jungle handout, one per adult
* Copy of Den Meeting Plan, one for leader(s)
* ****Name tags and Sharpie
* Cub Scouts Poster Set with Scout Law, Scout Oath and Den Code of Conduct  
  (#621086 from Scout Shop)
* Blue tape or something to hang posters on wall

**Optional**

* Snack and water
* Activities for siblings (e.g., coloring books)

**Gathering: Mild Jug Toss**

* One-gallon milk jug with bottom cut out for each Lion
* Various items to catch (e.g., bean bags, ping-pong balls, tennis balls)

**Activity 1: Rolling Investigation**

* Different-sized balls, cylinders, pipes (solid/hollow, cylinders/spheres, large/small) to roll down an incline

**Activity 2: Ping Pong Ball Races**

* Straws, one per Lion
* Ping-pong balls
* Dominos

**Activity 3: Neckerchief Slide**

* PVC
* Computer parts, washers, bolts and screws
* Glue (or hot glue gun)

**Activity 4: Genius Kits**

* Genius Kits, one per Lion (bag with 6-8 identical items: loose gears, twine, nuts and bolts, washers, marbles)

**Activity 5: Gadget Collage**

* Magazines
* Scissors
* Poster board

**Activity Wrap Up**

* Colored pencils, crayons or markers
* Few extra copies of *Lion Adventure Book* page 12(for those who forget book).

**Den Meeting Plan**

**Gizmos and Gadgets**

**Gathering**

* Milk Jug Toss

**Opening**

* ****Good conduct candle
* Pledge, Scout Oath, Scout Law

**Talk Time**

* Den business
* Sharing time

**Activities**

* Activity 1: Rolling Investigation (roll items down incline)
  + Which one rolls farthest down incline?
  + When pushed across floor, do they roll at same rate?
* Activity 2: Ping-Pong Ball Races
* Activity 3: Neckerchief Slide
* Activity 4: Genius Kits
* Activity 5: Gadget Collage
* Activity Wrap-up: *Lion Adventure Book*, page 12

**Closing**

* Scout Law

**Gizmos and Gadgets Adventure**

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**Scout Law**

A Scout is trustworthy, loyal, helpful, friendly, courteous, kind, obedient, cheerful, thrifty, brave, clean, reverent.

**Scout Oath**

On my honor, I will do my best to do my duty to God and my country and to obey the Scout Law; to help other people at all times; to keep myself physically strong, mentally awake, and morally straight.

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**Upcoming Events**

**Dec 16** Wreaths Across America, optional   
10:00 am at Houston Cemetery

**Dec 20** Pack Meeting   
(bring donation of first aid supplies)

**Jan 10** Den Meeting

**TBD** Outing

**Feb 7** Den Meeting

**Feb 24** Pinewood Derby

**Feb 28** Pack Meeting

**Mar 7** Den Meeting

**Pack 72**

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pack72tomball.scoutlander.com

**Orion District**

www.orion.shac.org  
facebook.com/orionbsa

**Sam Houston Area Council**

www.shac.org

facebook.com/shac.bsa