

# INVENTOR'S CHECKLIST

## GET TO KNOW YOUR TOOLS.

Start your Camp Invention® experience right away by setting up your **INNOVATOR WORKSHOP**. Find your Toolbelt and Maker Mat, along with the other materials in the bags. Feel free to check out all the fun materials. Just use the checklist below to be sure you get them all back in the right bags so you will be ready to invent!

How did you set up your workshop? Share with us on our Camp Invention Facebook page; [facebook.com/CampInvention](https://facebook.com/CampInvention).

## INNOVATOR'S TOOLKIT

## TOOLBELT

## INNOVATOR WORKSHOP

## MAKER MAT

### Spacecation™

#### CONTENTS:

- ☐ Aluminum foil
- ☐ Bendy straws
- ☐ Black light
- ☐ Black paper cup
- ☐ Brads\*
- ☐ Cardboard circle
- ☐ Chart paper
- ☐ Craft sticks with holes
- ☐ Deli container
- ☐ Glow-in-the-dark pony beads
- ☐ Glow powder
- ☐ Grow animal
- ☐ Hook-and-loop dots\*
- ☐ Magnet\*
- ☐ Markers
- ☐ Measuring tape
- ☐ Mesh ribbon
- ☐ Paper bowls
- ☐ Pipe cleaners
- ☐ Polymer snow\*
- ☐ Pom-poms
- ☐ Scissors
- ☐ Small box
- ☐ Small paper cups
- ☐ Spoon
- ☐ Tape
- ☐ Triangular clips

**START HERE!**



**Brads**



**Magnet**



**Polymer snow**

### NIHF's The Attic™

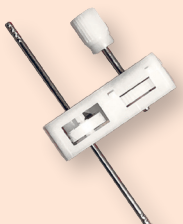
#### CONTENTS:

- ☐ AA battery
- ☐ Acrylic sheet
- ☐ Air-drying clay
- ☐ Bendy straws
- ☐ Black washable marker
- ☐ Clay
- ☐ Coffee filter
- ☐ Cotton swab
- ☐ Craft sticks
- ☐ Foam sheet
- ☐ Gear box\*
- ☐ Markers
- ☐ Motor
- ☐ Paint
- ☐ Paper straws
- ☐ Pencil
- ☐ Permanent adhesive squares
- ☐ Pipe cleaners

**Pipette**



**Gear box**



**Hook-and-loop dots**



#### YOU'LL ALSO NEED:

- ☐ Spacecation Inventor Log & Sticker Sheet

- ☐ Pipette\*
- ☐ Plastic cup
- ☐ Removable adhesive squares
- ☐ Rubber band
- ☐ Scissors
- ☐ Small cardboard square
- ☐ Small paper squares
- ☐ Tape
- ☐ Wheel
- ☐ Yellow foam piece\*

#### YOU'LL ALSO NEED:

- ☐ NIHF's The Attic Inventor Log & Sticker Sheet

**Yellow foam piece**



**Cardboard brackets**



**Marble Arcade Board**



### Marble Arcade™

#### CONTENTS:

- ☐ Adhesive squares
- ☐ Bendy straws
- ☐ Bobbin\*
- ☐ Cardboard brackets\*
- ☐ Cardboard tracks\*
- ☐ Clear tube
- ☐ Clothespins
- ☐ Dominoes
- ☐ Foam ball
- ☐ Glow marble\*
- ☐ L-Clips\*
- ☐ Marble
- ☐ Marble Arcade Board\*
- ☐ Markers
- ☐ Paper cups
- ☐ Pencil
- ☐ Pipe cleaners
- ☐ Pom-poms
- ☐ Scissors
- ☐ Small box
- ☐ Tape

**Bobbin**



**Glow marble**



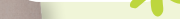
**L-Clips**



#### YOU'LL ALSO NEED:

- ☐ Marble Arcade Inventor Log

**Cardboard tracks**



### Robotic Aquatics™

#### CONTENTS:

- ☐ Adhesive square
- ☐ Assorted beads
- ☐ Bendy straws
- ☐ Cardboard pot\*
- ☐ Clay
- ☐ Flower
- ☐ Glow marble\*
- ☐ Jellyfish
- ☐ Leaves
- ☐ Mini grabber
- ☐ Pencil
- ☐ Pipe cleaners
- ☐ Plastic cups
- ☐ Plastic stand\*
- ☐ Robotic fish
- ☐ Scissors
- ☐ Stretchy fish
- ☐ Tank
- ☐ Tank clings
- ☐ Tape
- ☐ Wax sticks

**Cardboard pot**



**Plastic Stand**



#### YOU'LL ALSO NEED:

- ☐ Robotic Aquatics Inventor Log & Sticker Sheet

### NIHFty Explores™ STEAM Cards

#### CONTENTS:

- ☐ Maker Mat
- ☐ Plush NIHFty Bot™\*
- ☐ Toolbelt

#### YOU'LL ALSO NEED:

- ☐ NIHFty Explores STEAM Cards



**Plush NIHFty Bot**

Materials subject to change.



# Welcome to the Camp Invention family!



Congratulations on helping your innovator make the leap from what is to what might be. Through this experience, your child will build skills in STEM and cultivate an I Can Invent® Mindset.

We've learned directly from Our Nation's Greatest Innovators™ — National Inventors Hall of Fame® Inductees — that invention skills can be taught and learned. We also know that empowering children with these skills and connecting them with inspirational innovators can be life- and world-changing.

**"I believe all children are inventors."** — Michael J. Oister  
CEO, National Inventors Hall of Fame

Our Hall of Famers also have taught us that you don't need elaborate materials to invent. What you do need is your imagination. Everything in this package will become something greater in the eyes of your young innovator, even the box itself!

We encourage your whole family to join this journey, discover each other's problem-solving styles, and build your STEM and maker skills.

Camp Invention experiences are open-ended, with no "right" or "wrong" answers. Here are some tips that can help you foster your child's I Can Invent Mindset:

- \* **Use** "I wonder ..." statements to help guide your child.
- \* **Encourage** creative solutions that stretch their imagination.
- \* **Provide** support as they build their invention confidence.



Be sure to refer to the Camp Invention Welcome page at [invent.org/explore](https://invent.org/explore) to find everything you need for a great experience.

Also, be on the lookout for emails from Camp Invention and your Camp Invention Coach. These messages will include details on your daily schedule, links to join virtual collaboration sessions, access to digital materials and more.

Yours in invention,

**The National Inventors Hall of Fame Team**



MATERIAL LIST + WELCOME LETTER - EXPLORE - CONNECT MKT-288  
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# Welcome to your Camp Invention experience!

We can't wait to help you dive into your new **Innovator's Toolkit**, but first, you need to let yourself think like an inventor. How? Make the Innovator's Promise!



## The Innovator's Promise

**I promise to do my best to:**

- Use my imagination
- Be brave and try new ideas
- Look for challenges and opportunities
- Push past barriers
- Know that my ideas have value
- Know that I am trusted

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Sign Here

