It is exciting to discover a hidden treasure in the attic, garage, basement, barn or even in grandma’s closet. A so-called treasure can be defined by one’s interests, hobbies, heritage and even personal taste. It could be that we enjoy the item for its aesthetics, novelty, use, history or value.

We begin collecting when something or someone peaks our interest to learn. We want to learn more about the item, its intended use; the artisan, manufacturer or company who produced the product; how it was made and what was used in its construction; and even its place in a historic context.

This interest often leads to collecting. As a collector we make a considerable investment of both time and resources so it is important to protect and preserve our collections. Archeologists and historians have learned that the most well-preserved treasures are protected from the elements – air, light, temperature, humidity and insects. Unfortunately we can’t store our treasures in an Egyptian tomb, but we can learn how to best care for and preserve our collectibles, heirlooms and prized possessions.

As a collector and conservator it is our responsibility to learn the best practices for handling, cleaning, restoring and protecting items being stored or displayed. Each antique or collectible has its own unique set of characteristics – such as the material from which it was constructed (glass, wood, metal, textiles, clay, plastic, etc.) to the method by which it was constructed. For example not all metals are physically and chemically the same – iron, tin, brass, aluminum, steel, gold, silver, copper, etc. A collectable made from certain metals could be ruined and even destroyed during cleaning, restoration or storage if we don’t possess the knowledge or resources to identify the metal compound and the finishes used on that metal.
Avoid Ruining Collectibles

There are some general practices for collectors and conservators of paper, metal, glass, ceramics, plastic, wood and textiles. There is a lot of biological, chemical and physical science involved with becoming a junior museum curator.

**Light** – Light is damaging. All light, but especially ultraviolet light, speeds up the chemical reactions which cause organic materials to decompose or break down over time. All collections should be kept out of direct sun light and receive limited indirect light to protect color and moisture level. Light can cause materials to become dry and brittle, as well as helping to control humidity.

**Humidity** – Humidity is the amount of moisture in the air. Balance is important to collectors. Too little moisture causes wood, paper and paint to shrink, crack and become brittle. Too much humidity will cause rust, mold and mildew and encourage insect infestation. Typical locations for storing our treasures include the attic, where it is too hot and dry, or the basement, which is often too damp and mildewy.

**Temperature** – Extreme temperatures are not good for collectibles and antiques. Year-round temperatures of 64 degrees are ideal. Gradually move items from one extreme temperature to another. Rapid temperature changes can cause thermal shock. This stress causes cracks and fractures.

**Handling** – Handling is the act of touching, moving or operating something with the hands. Oil, salts, acid and even soil transferred from our skin to a collectible can cause deterioration or staining, much like a salad oil stain which cannot be removed from a tie or shirt. The white cotton gloves museum curators wear are for the protection of the antique.

---

**Restoration or Preservation?**

There are pro’s and con’s to both restoration and preservation. As a collector and curator of your collection there are choices to make. It will require thought and research to make the best choice for the collectible and the reason it is being saved – historical integrity or sentimental value.

**Restoration** is the physical manipulation or repair of objects.

**Preservation** is protecting the item with as little change as possible to the true nature of the item.

Williams, senior conservator of the Smithsonian Institute, and Jaggar (2005) state in the book *Saving Stuff*, “You have choices with your collectibles. You can preserve them with no changes for as long as possible, or you can choose to restore and repair them. On the plus side, restoring compensates for any damage or deterioration that has occurred. On the con side, restoration changes your object permanently and often lessens its inherent value. Can you restore and preserve? Yes. If you restore a piece, you still need to prevent any future degradation by following preservation strategies.”

---

**What you can do in this 4-H project?**

- Pick a hobby or start a collection that interests you.
- Learn the difference between preservation and restoration.
- As a collector and conservationist learn the best practices for handling, cleaning, restoring and protecting items being stored or displayed.
- Learn to assess the value of your collection as an investment for the future.
- Organize a hobby show for clubs in your area.
- Teach a friend or club member how to become involved in the hobby of collecting.
OKLAHOMA 4-H CENTENNIAL PROJECT: Preparing Fair Exhibits  

Cleaning — Know your collectible before beginning any cleaning or restoration. 
Carefully consider the use of chemicals, detergents, cleaning products and 
professional/commercial cleaners. The chemicals and actual cleaning 
process can be much too harsh for fragile items such as textiles, jewelry, fashion accessories, toys and 
dolls.

To protect and preserve your collectibles and antiques, always do your homework before starting the cleaning or 
restoration process.

Some simple tools: an assortment of bristled brushes (soft to firm), cotton swabs, distilled water and moisture 
free canned air. Distilled water is the best choice as it does not have chemicals and minerals which can stain 
or damage.

Insects and Rodents — Stored items are natural havens for insects and rodents. To minimize long-term damage, 
consider all of the previous elements, each can contribute to the inhabitation of insects and rodents. 
Knowledge and a plan are your best weapons against these 
critters.

Contaminants — The environment in which we live and 
store our collectibles can be contaminating within itself. 
It is hard to avoid physical deposits and chemicals con-
tained in the air. They leave a film that may or may not 
be seen by the human eye.

Other times contaminants come from the things we care-
fully wrap around items for protection. Examples: The sulphur in a wool cloth will corrode silver and bronze. 
The oxygen in air reacts to the surface of silver, brass 
and bronze causing oxidation — the formation of silver 
and copper oxide on these metals. Chemicals in ordi-
nary plastic kitchen wrap are corrosive agents for metals 
and do not allow textiles to breath. Acid in wood and 
wood pulp paper cause damage to textiles and paper 
products. Chemicals/detergents remaining in a towel or 
sheet can be damaging to some antiques and collectibles.

Once again, always do your homework before making a 
decision about where and how to store your precious 
collectibles and antiques.

 وعلى تراجع الصدى، نراقب المحتوى المرتبطة بمشروع التكاثر الـ 4H.

References:
Williams, D. and Jaggard, L. Saving Stuff – How to Care for and Preserve Your Collectibles, Heir-
Levenstein, M. K. and Biddle, C. F. Caring for Your Cherished Possessions – the Experts' 
Guide to Cleaning, Preserving and Protecting Your China, Furniture, Clothing, Paintings and 
517-57087-4
Simpson, M. T. and Huntley, M. Editors. 
Sotheby's Caring for Antiques – The Complete 
Guide to Handling, Cleaning, Display and Resto-
75105-0
Katz-Schwartz, J. Protecting Your Collectable 
Treasures: Secrets of a Collecting Diva. Mar-

Related 4-H Project Areas: Health, Recreation, Arts and Hobbies, any project 
area of interest can become a hobby for 
collectables.

Other Related Centennial Fair Ex-
hibit Project Materials:
4H+H+LTH+402 Collectables
4H+H+LTH+403 Preserving Vintage Clothing 
and Textile Products
4H+H+LTH+404 Preserving Photographs, 
Books and Paper Docu-
ments
4H+H+LTH+405 Preserving Metal, Wood 
and Plastic Collectibles
4H+H+LTH+406 Preserving Memorabilia
4H+H+LTH+407 History Mysteries – How to 
conduct interviews and re-
cord the stories
4H+H+LTH+408 Documenting and Catalog-
ing Collectibles
4H+H+LTH+409 Displaying Collections and 
Collectibles
4H+H+LTH+410 Heritage Posters and Dis-
plays