



**COLORADO STATE UNIVERSITY**  
**EXTENSION**



## Ceramics

---

Project units are designed for members 8-18 years old.

---

### Units 1 & 2

#### Inspiring youth to:

- Learn glazes, glazing, and underglazing techniques
  - Use of elementary tools and equipment
  - Develop a ceramic vocabulary
  - Use of additional tools and equipment
  - Practice skills of basic preparation and techniques for firing
  - Finish and exhibit one or two pieces made using skills described in the manual
- 

### Units 3 & 4

#### Inspiring youth to:

- Learn overglazing techniques
  - Use skills and techniques associated with unfired finishes
  - Finish and exhibit one or two pieces made using skills described in the manual
- 

### Units 5 & 6

#### Inspiring youth to:

- Learn how to assemble shoulder plate dolls
  - Learn techniques and skills on how to create a life like doll
  - Use skills related to hand molding
  - Design, plan, and adapt one or two pieces described in the manual
  - Finish and exhibit one or two pieces made using skills described in the manual
- 

## Resources:

- Exhibit & Judging Requirements
- Record Books
- Manual Information

Located at: [Colorado4h.org](https://colorado4h.org)

---

Colorado State University, U.S Department of Agriculture and Colorado counties cooperating. To simplify technical terminology, trade names or products and equipment occasionally will be used. No endorsement of product names is intended nor is criticism implied of products not mentioned.

Colorado State University Extension is an equal opportunity provider. Colorado State University does not discriminate on the basis of disability and is committed to providing reasonable accommodations. CSU's Office of Engagement and Extension ensures meaningful access and equal opportunities to participate to individuals whose first language is not English. <https://col.st/OWMJA>

Colorado State University Extension es un proveedor que ofrece igualdad de oportunidades. Colorado State University no discrimina por motivos de discapacidad y se compromete a proporcionar adaptaciones razonables. Office of Engagement and Extension de CSU garantiza acceso significativo e igualdad de oportunidades para participar a las personas quienes su primer idioma no es el inglés. <https://col.st/OWMJA>



# Ceramics

## Tips:

- Use the correct glaze on your pieces
- Choose your best piece to exhibit
- Take trips and tours
- Enter your exhibit(s) in the county fair
- Share the information you learned in talks and displays



## Judging Criteria:

- Item has no visible seam lines
- Item has no greenware imperfections
- Item sits evenly on a table
- Item has no pinholes
- Item is clear and not cloudy
- Item has no unwanted cracks or crazes
- Item is covered with finish
- E-record is complete and includes demonstrations, talks, story, and pictures, with at least one action shot of you working on your project
- E-record is neat and legible
- Quality of exhibit



**COLORADO STATE UNIVERSITY  
EXTENSION**

## Resources:

- Exhibit & Judging Requirements
- Record Books
- Manual Information

Located at: [Colorado4h.org](http://Colorado4h.org)



**Beyond  
Ready**

# Ceramics Industry Careers



### Product Designer

Creates ceramic goods for particular sectors or clients with a focus on ceramics



### Entrepreneurship

Develop and sell ceramic products and/ or providing both fine art and functional ceramic pieces



### Model Maker

Designs molds for the production of ceramics ensuring consistency and quality of a product



### Research and Development

Works to develop new ceramic materials and improve existing products



**COLORADO STATE UNIVERSITY  
EXTENSION**

### **Degrees/Certifications:**

Bachelors of Fine Arts- Ceramics  
Bachelor of Science in Ceramic Engineering  
Materials Science  
Master Potter Certificate



### Technical Sales & Marketing

Promotes products and provides support to customers and identifies new market opportunities



### Glaze Chemistry

Study of how glazes relate to firing; including color, surface, hardness, texture & melting temp



### Artist

Creates unique artwork utilizing clay as their primary medium



### Education & Research

Teaches and mentors other student in the educational environment