

# TEXTILES

## SAINTS GLOBAL MEMBER

NAME: \_\_\_\_\_

BATTALION: \_\_\_\_\_

TROOP: \_\_\_\_\_

## SKILL BADGE ADVISOR

NAME: \_\_\_\_\_

EMAIL: \_\_\_\_\_

PHONE: \_\_\_\_\_

## STEP 1 | DISCOVER

INITIALS

- a) Explain why textiles matter in daily life and define the terms fiber, fabric, and textile, giving examples you use every day. \_\_\_\_\_
- b) Collect fabric samples: two natural fiber fabrics (100% cotton/linen/wool/silk), two synthetic fabrics (nylon/polyester/acrylic/olefin/spandex), and one cellulosic manufactured fabric (rayon/acetate/lyocell). \_\_\_\_\_
- c) Explain the origin, characteristics, and content of each collected fiber, including the difference between cellulosic manufactured fibers and synthetic manufactured fibers. \_\_\_\_\_

## STEP 2 | PLAN

INITIALS

- a) Describe the main steps of making raw fiber into yarn and yarn into fabric, and explain how woven, knitted, and nonwoven constructions differ. \_\_\_\_\_
- b) Choose a textile item you might purchase soon and justify the fiber or blend you would choose based on purpose, comfort, durability, cost, and care. \_\_\_\_\_

## STEP 3 | ACT

INITIALS

- a) Complete two hands-on textile skill activities from the following: weaving on a simple self-made loom, making felt, creating and using natural dyes, waterproofing fabric, or fiber identification (microscope/break test).
  - a.1) Choose two approved options and explain why you chose them
  - a.2) Demonstrate correct technique and safe tool/chemical use
  - a.3) Show the finished result and explain what worked and what you would change
  - a.4) Explain how the process affects fabric performance (strength, texture, water resistance, colorfastness)
- b) Using a magnifying glass or close-up photos, examine and sketch one woven, one knitted, and one nonwoven fabric, then explain the structural differences you observe.
- c) Explain the meaning of at least 10 textile terms relevant to your projects (e.g., warp, loom, spindle, cellulose, staple, worsted, nonwoven, spinneret, extrusion, sericulture).
- d) Compare fiber categories (plant, animal, cellulosic manufactured, synthetic) by listing advantages/disadvantages and discussing at least four ecological concerns related to textile production and care.
  - d.1) Provide one advantage and one disadvantage for each category
  - d.2) Identify at least four ecological concerns (water use, chemicals, microplastics, labor/ethics, land use, energy, waste)
  - d.3) Explain one personal habit that reduces textile impact

## STEP 4 | REFLECT

INITIALS

- a) Identify five careers in textiles and describe two that interest you, including education/training, costs, and typical duties.

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## END OF REQUIREMENTS

**BY SIGNING BELOW, I CERTIFY TO THE BEST OF MY KNOWLEDGE THAT ALL  
REQUIREMENTS WERE MET AT OR ABOVE THE REQUIRED STANDARDS AS OUTLINED  
IN THE BADGE REQUIREMENTS CHECKLIST.**

\_\_\_\_\_  
SKILL BADGE ADVISOR

\_\_\_\_\_  
DATE