

## Duodji task

ArcticSkills 2019

Competitors name	School	Task

### Competitors instruction

#### Garra duodji (Sami crafts)

Preparation Before the competition	Look over all the equipment. Get acquainted with tools, patterns and materials. Participants must bring their own personal equipment for the engraving of ornamentation.
Competition	Design and shape a knife shaft from the pre-prepared material. The knife shaft must be engraved with ornamentation, and finally treated

Preparation time	Familiarize yourself with tools and materials before completion.
Break time	As required
The length of the task	9 hours
Total task time	9 hours

Task sections / points distribution		Maximum score
A1	HSE- Health, environment, safety and work structure	6
A2	Forming the knife shaft	6
A3	Nite the steel	6
A4	Grinding and polishing	6
A5	Ornamentation	6
A6	Treatment (color and oil)	6
A7	Overall assessment	6
Task Total		42

## Task description:

1. Shape the material of the knife shaft
2. Nite the shaft to the blade
3. Polishing and grinding the knife shaft
4. Ornamentation. Consider and decide what kind of ornament.
5. Final treatment (color and oil)

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Group ID	Description	Assessment criteria's	Notice	Max Points	Achieved Points
A					
A1	HSE - Multiple points can be deducted for rough/ repeated safety and health violation	Use of protective equipment throughout the task. Use of hand tools and electric tools. Cleaning, neatness and organization.		6	
A2	Nite the steel	The result of the niting is that the shaft fastens firmly together with the blade, and that it looks neat.		6	
A3	Forming and shaping the knife shaft	Adapting the shape. Make sure you use the material economically.		6	
A4	Polishing and grinding the knife shaft	Grind and polish the knife shaft. Evaluate which techniques you can use.		6	
A5	Ornamentation	Engraving of the knife shaft. The ornamentation must be part of the overall picture of the knife shaft		6	
A6	Final treatment	Final treatment of the shaft, using color and oil. Accuracy in performance and evenness is important.		6	
A7	Overall assessment	Color and shape, aesthetics and the total feeling when holding the knife.		6	
Comments:				42	

## Materials:

- Reindeer Horn
- Steel
- Naeve / leather
- Masur birch / flame birch
- Linseed oil
- Color and oil for engraving and wood treatment

## Equipment:

- Sample images for inspiration
- Grinding machines
- Drills
- Hammers, bullet
- Grinding paper, various coarseness
- Rasps / files - Different grinding rolls / balls
- Different oils - Personalized knives for engraving
- Protective gears