

## Good practices

### Template for collecting the best practices of using Poly-Universe for Teacher training purposes / courses

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Description of the problem / exercise: **Good practice 25**

Designing geometric patterns for a carpet inspired by the Pirot rug, the manufacturing of which is included into the list of Intangible cultural heritage of Serbia

The Pirot rug is a hand woven woolen carpet with unique motifs and ornaments having both front and back sides identical.

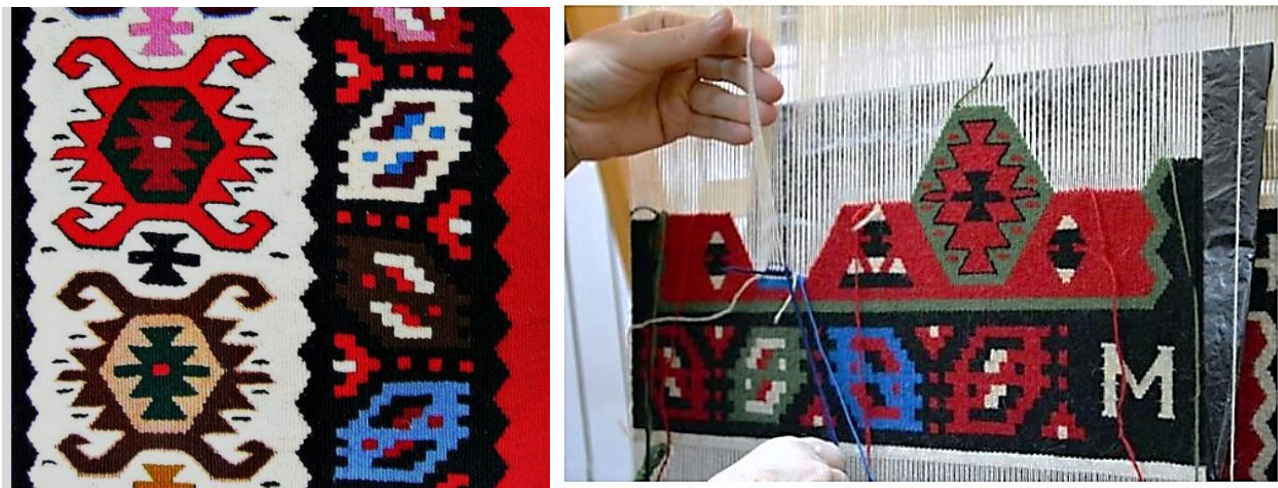


Figure: Source, <https://srpskatelevizija.com/2017/05/24/cilim>

All the ornaments have their special meanings and it can be the starting point for discussion, exploration and analyzing of folk customs, beliefs, tales and (or) poems.

Using Poly-Universe sets and inspired by ornaments of Pirot rug the student can design new geometric patterns for their carpet of 30cm long and 20cm wide.

If we know that 1/2g of wool has to be used for weaving one square centimeter of Pirot rug, please, calculate the mass of wool in each color, which is necessary for making the carpet.

The students learn weaving and they can weave their carpet.

The geometric patterns of the Pirot rug can be compared with the geometric shapes of traditional handicrafts of other nations.

- *Why this exercise is good:* Competences which are developed and knowledge which is deepening: creativity, aesthetic competence, organizational skills, communication skills, collaboration skills, weaving
- *Level of teacher training:* Elementary, secondary school, subject teacher
- *School subject(s):* Art and design, languages, mathematics, history
- *Comments:* For ages over 10 years