Good practices
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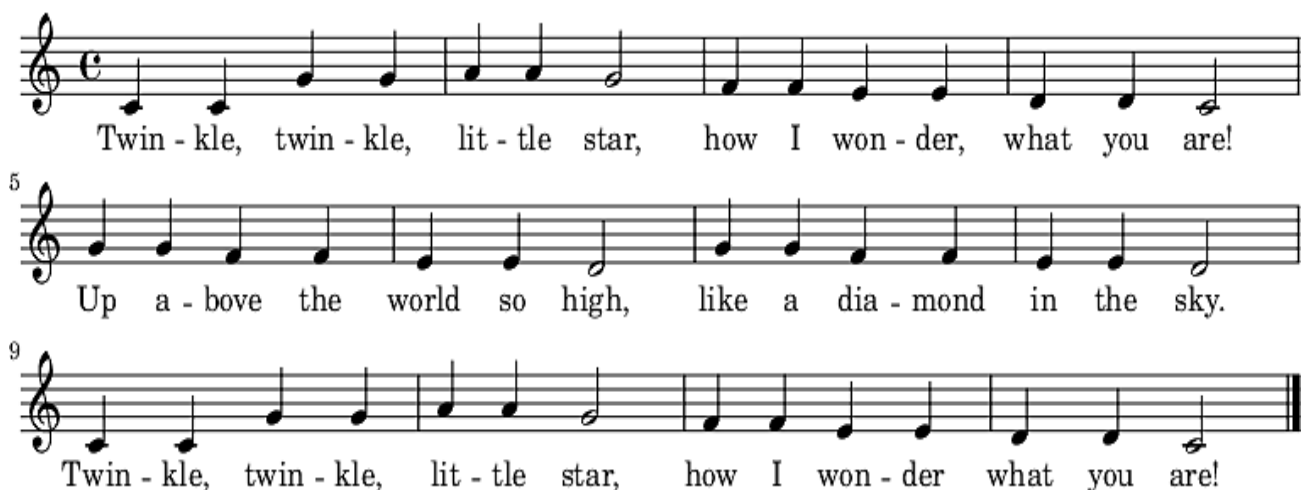
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Description of the problem / exercise: **Rhythm written in Poly-Universe tiles**

Doing rhythmic exercises students can use Poly-Universe tiles in the following way:

When they sing a song written using *musical* notes, they can additionally use some instruments to emphasize the rhythm of the song.

For example, a song 'Twinkle, twinkle little star' which did Jane Taylor write:

Source: https://upload.wikimedia.org/wikipedia/commons/1/16/twinkle_twinkle_little_star

Different instruments can give rhythm: cymbal, triangle, rattle, and clapping. For each line of the song notation, clapping is used for notes of the same (quarter) duration, and for longer note durations (halves), rhythmic instruments are used: triangle in the first row, rattle in the second row and cymbals in the third row. In order to indicate which (notation the using) of these instruments is applied, the following tiles can be used: triangle can be represented with a tile which is triangular, the rattle can be represent with a half of a circle, cymbal can be represented using a square and the clapping can be represented with dodecahedron (from the 'square' set). The musical notes can be supplemented with the notation of rhythm by placing the adequate tile under each note and the corresponding text.

The students can make their own versions using rhythmical instruments.

After analyzing the text of the song, the students can use the tiles to create a picture, which can represent the meaning of the text.

The students can use the patterns by writing down the rhythm for creating their carpets as well.

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