



Plan of **STEAM** lesson

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Topic of the lesson	Creating a symmetrical ornament
Purpose of the lesson	Create an ornament of LaQ details with axial symmetry, consolidate learned names of geometric shapes, adverbs, sizes, numbers, different colors and shades in German, learn to name various commands in German, learn to use active words and key terms related to the lesson topic correctly, stimulate student curiosity.
Didactic goal	Teach students to apply new terms more easily and simply by integrating German into engineering. Apply the acquired knowledge by moving the creation of the ornament in space. By working in pairs and creating the ornament of LaQ details, to consolidate the principles of creating the symmetrical ornament according to each other's commands in German, to stimulate interest in the German language.
Real problem/ problematic situation	While decorating a Christmas tree and working in pairs, students give each other a task in German of where to hang a piece or ask a logical question, for example, "How many triangles make a Christmas tree star?", repeat numbers, colors, geometric shapes, adverbs in German, thus consolidating the already existing knowledge of the German language.

Teamwork *yes*
 no

Critical thinking development	Critical thinking is developed by applying theoretical knowledge in practice: I challenge. The knowledge gained in previous lessons is put into practice when creating the ornament – the ornament drawn on the squared paper on the Sanbox and Minecraft platforms had to be moved into real space. II challenge. Working in pairs to create the symmetrical ornament according to German commands.
Integrated subjects	Engineering and German language.
Expected result	Expected result achieved – students applied theoretical knowledge in practice, created the ornament, only the scope of their work differed, they communicated and collaborated more freely with each other and with teachers. While working in pairs, students learned to name geometric shapes, adverbs, numbers, colors, sizes in German.
Reflection of the students	Reflection on the lesson in the app menti.com