FROM TEACHERS FOR TEACHERS

STEM WITH ARTS

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Encouraging creative approaches in teaching and learning Chemistry in Primary School

LEARNING GOALS
(8th grade):
- cations and anions, **ionic bonds**, ionic structures
- **covalent bonds**, covalent structures

PROJECT WORK
MODEL OF AN IONIC OR COVALENT BOND

1. Differentiation, individualization:
- different students – **different models of compounds**

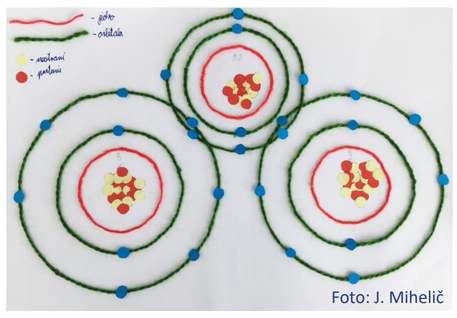

Foto: J. Mihelič

2. **Success criteria** (formative assessment):
- What are the characteristics of a good model and presentation?

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3. D🕐n't miss the **deadline**.

4. **Model making plan**:
- molecular formula
- type of chemical bond
- sketch model to explain the formation of bonds
- material selection

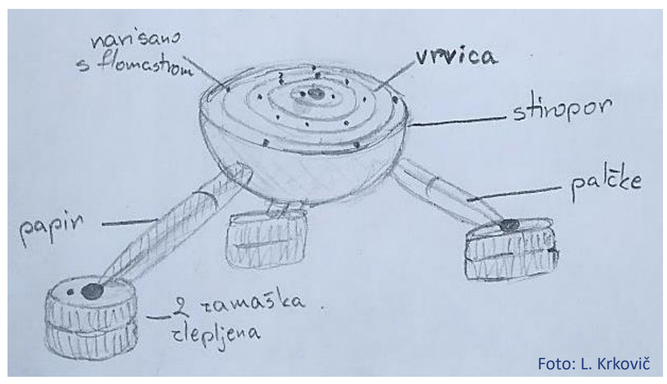

Foto: L. Krkovič

5. Formative assessment **feedback**:
- teacher feedback
- classmate feedback

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6.
- Making a **chemical model**
- interesting informations, animations, crystal models, poster, PPT etc.)

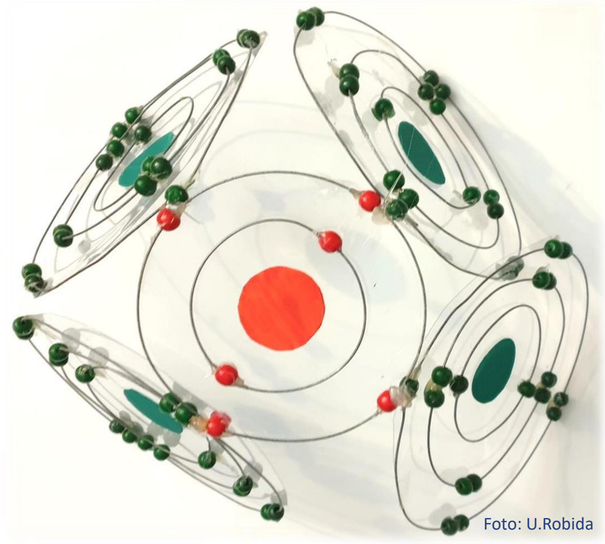
Foto: U.Robida

7. **Presentation** of the project work, **evaluation** and **grading:**
- distance learning (online classroom, Zoom)
- live at school

Conclusion: Creativity is one of the key transversal skills that enables the student to co-create their own learning path and the teaching process.

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