Low-Cost Experiments in STEM Education

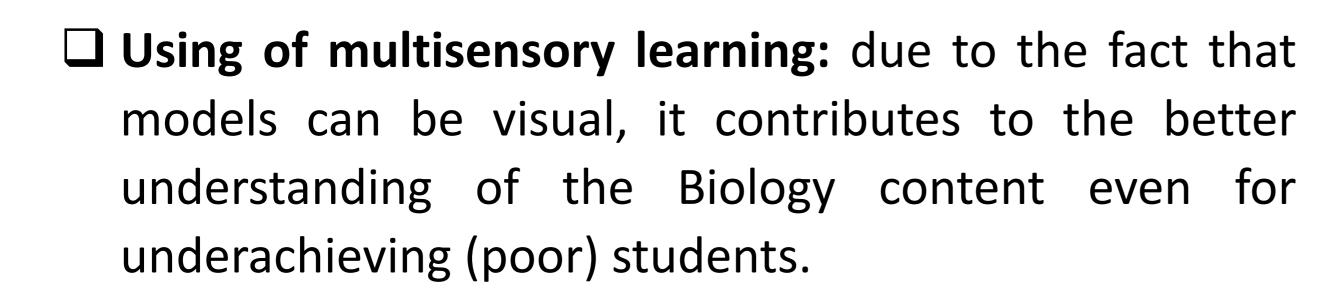


Viktoriia Lavrinchuk | Lyceum 9 | Kyiv | Ukraine

Modelling method in Biology lessons



Providing an active learning: modelling engages students in a cognitive understanding of the subject, as they are able to create, analyze and use selfmade models to solve problems or investigate some phenomena.







- ☐ Increased motivation to learn: creation models stimulates students' interest in Biology as they work on daily life problems and can use knowledge from their everyday activities.
- ☐ Fostering innovative approach: modelling stimulates students to be creative in solving problems and finding unusual ways of solutions. Making them pupils learn to see problems from different perspectives and develop their innovative approaches.
- ☐ Fostering collaboration and communication: working with models develop teamwork skills, children can share ideas and learn to work in groups.

Conclusions: thus modelling contributes to a deep and complete understanding of the complex Biology issues. Making models stimulates the students key competences and cognitive interest.