

‘Stellar evolution with *We are all stars* educational board game’ workshop’s plan

Aims of the workshop:

Gaining knowledge of astronomical terms and phenomena connected with stellar evolution are the main aims of the workshop. The participants will get familiar with types of stars and their evolutionary tracks. Using an accessible tool – innovative, educational board game – young people will develop skills in reading scientific charts and logical thinking. During the game players will adapt their strategies based on collected information and learn how to use astronomical data.

Target group:

Original materials containing scientific charts are used during the workshop. Some of the diagrams use the logarithmic scale. Because of this the workshop is dedicated to high school students at the first place. The workshop can be conducted for younger student as well, but it requires extended introduction. No former astronomical knowledge is required, although an ability to use the scientific notation is very useful.



Duration of the workshop:

45 minutes

Workshop's plan:

1. Introduction: evolutionary tracks and the main star types. Materials: poster of Hertzsprung-Russell diagram and stellar evolutionary tracks.
(optional: information about logarithms and logarithmic scale)
2. Practical part: explaining rules of the educational board game; play in groups of 2-4 players; supervision of the educator. Materials: educational games 'We are all stars'.
3. Closing: summary of the learned terms and skills (work in groups).

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