**Lesson Plan Table**

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| Subject: | Chemistry | | | | |
| Authors: | Teachers: Mgr. Lenka Wasserbauerová  Students: Michaela Ježová, Tereza Švédíková, Simona Chovancová | | | | |
| Date: | | | | \_\_26\_/\_04\_/ \_2019\_ | |
| Estimated time: | | 5 minutes + 20 minutes |  | |  |
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| Summary: | Chemistry challenge for our partners. Who is going to become the master in Chemistry? | | | | |

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| **Objectives**  (Specify skills information that will be taught) | **Activity/ Information**  **Teacher Guide/ Student guide** | **Materials Needed**  (Other resources - web, book...) | **Assessment Methods**  (steps to check for student understanding) | **Time**  **Where?** |
| \* chemistry knowledge revision with the help of Kahoot  ***Know Concepts or Keywords :***  - chemistry | **Motivation Activities**  What do you remember from chemistry lessons? Let´s compete a bit. | Phone or tablet with WIFI connection  PC, data projector | **See below.** | **In Classroom**  5 + 20 minutes |

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| **Description of the activity:** | |
| **Introduction** | This activity was created for the mobility in the Czech Republic and it was the motivating and revision activity for students from different states. Therefore, it is not focused only on one topic but on the Chemistry entirely to make it more attractive for students. The activity was made in Kahoot!  Kahoot! Provides three modes – Quiz, Survey, and Discussion. Quiz is the basic mode, the students are provided with questions and options of answers, and they have to choose the correct answer in the time limit. They get points for the correct answer. Speed is also an important factor. The faster they answer the question, the more points they get. The number of points is between 1000 and 500, it depends on the time limit. In cases, they do not manage to answer or answer late, they do not get any points.  The solving of the quiz is very entertaining and motivating but the main educational benefit comes when the students create their own quiz. This is named “the Kahoot pedagogy”. The Kahoot pedagogy makes a cycle when the students become teachers of other students. When creating the quiz, the students deeply study the topic and thus they understand the curriculum better. Then the analysis follows, the students evaluate new information to prepare correct and wrong answers. All this process is finished by a creative activity and the result is a new quiz during which the students share new knowledge with other students. |
| **Main activity** | Let´s share our chemistry knowledge! Who is going to be a winner? |
| **Lesson Guide (Step by step)** | It is not necessary to register because of solving the quiz. However, if you want to create a new quiz, you have to make a registration on Kahoot. The registration of a user is free, there can be account of a teacher or of a student, it needs a user name, password, and an email address. The students must be sixteen and more, younger students are not allowed to enter the public repository of quizzes, so they cannot label their quiz as public and upload to the repository.  After the registration, you can create your own quizzes – Kahoots. It is easy. When writing questions and answers, there are some limits. The maximum number of answers is four, but it is usually enough. There can be also added a picture or a video from Youtube. If you decide to add a video, you will add only the ID of the video and only its part can be shown.  The quiz you create can be used by everybody if you label it as public. (Public Kahoot). Then all teachers can find it on Kahoot. The quizzes can be also shared via social networks (Twitter, Facebook, Pinterest, Google+) or it can be easily sent by a link on email. Users who are younger than sixteen can share the quizzes only with some users or by the link. |
| **Exercises (2 or 3 levels of difficulty)** | You can prepare more difficult quiz or you can use some of those which are already created on Kahoot. |
| **Conclusion and Evaluation** |  |
| **Notes:** | Link to our test: <https://create.kahoot.it/details/chemical-quiz/9dc6c5b3-85cf-4f7e-b8c6-8a4a8d271edb>  Test on periodic table: <https://create.kahoot.it/details/chemistry-periodic-table/118271bf-7036-435e-8349-2f9e3a1e3d09>  Atomic structure: <https://create.kahoot.it/details/chemistry-atomic-structure/4d8a582d-c387-4433-86e1-0efaf4fe0c67> |

Bibliography