Objective: Students will play a review game on Alice until they get a 100% on a 10-question quiz.

Essential Standard- Chm.1.2.2 Infer the type of bond and chemical formula formed between atoms.

Background- At this point, the students have already been exposed to the structure of the periodic table and know about groups and periods through classroom presentation, discussion and group practice. They also completed a homework assignment that was checked in class. Students have NOT been working with Alice unless they are in the Computer Gaming club with me after school.

Materials/Resources required- Alice2 installed on 10 working computers. 1 student per team who has had basic experience with loading and playing a pre-made Alice2 program. 1 periodic table per team.

Procedure-

1) Teacher will demonstrate how to load the program and how to run through it.
2) Students will be placed in teams of three with care taken to have one or more computer club students on each team.
3) Each team will get a laptop pre-loaded with Alice2.
4) Students will play the game to completion.
5) **** Students who finish early will be allowed to play with scene 2 of this program and make their own characters and questions.
6) Once 100% is achieved by all students in the class, we might allow team presentations of their own scene 2 if time permits.

Formative assessment- The program provides immediate feedback until every student is successful.

Closure- Students will each write a 3-2-1 on ¼ sheet of paper as an exit pass to hand in as they walk out the door.

(3 things they learned- 2 things they learned – 1 thing they want to learn more about)