**Lesson plan**

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| **Lesson Title (concept)** | Introduction to House Planning |
| **Instructor** | Emily Maharry |
| **Suggested grade level/course** | High School (9-12) |
| **Time suggested** | 45 minutes |
| **National Standards addressed:*** State the entire objective, not just the number

**State and/or local standards addressed:*** State the entire objective, not just the number
 | National Standards:11.4.2 Evaluate floor plans for efficiency and safety in areas including but not limited to zones, traffic patterns, storage, and electrical~~,~~ and mechanical systems. |
| **Rationale for the lesson:*** Where does it fit into the unit plan?
* Why are you choosing this activity/strategies?
* How will you plan for differentiation?
 | This lesson introduces housing and floor plans to the students. It allows them to begin thinking about their wants and needs in their future homes. I chose to have them begin designing their homes with little background knowledge to help them realize the complexity and thought that goes into floor planning. This will give students motivation to learn more about floor planning to improve their final products. I will allot more time for students that need it and have paper and pencils as an accessible option for students. This project is beneficial for all learners because it will allow some students to indulge with more details, while others can do a more basic plan. I will not grade based off of the complexity of the floor plan. |
| **Content objective:** * What will students know and be able to do at the end of the lesson?
* Is the information or concept new to the students?
 | - Distinguish between needs and wants within the home - Become familiar with online housing programs |
| **Assessment:*** How will you know students can do the above?
 | By the end of this lesson, the student should be able to effectively place rooms within a home on Homestyler. They should consider traffic patterns, housing zones, and universal design. |
| **Procedure/activities**-Create a Google Doc for the class to generate a list of their needs vs. wants regarding floor plans and housing-Each student should write at least 2 wants and 2 needs (Some responses may occur more than once)-Discuss the Google Doc the students have created and decide if the items are all in the correct category-Have students open their laptops or go to the computer lab and wait for directions-Students will need to create an account on [www.homestyler.com](http://www.homestyler.com)  -Type [www.homestyler.com](http://www.homestyler.com) into search engine -Click Join Now at the top right hand side of the website -Fill out personal information or sign in using a Google, Yahoo, or Twitter account-Give students some time to get familiar with the program and discover its different functions-Instruct students to begin constructing their ideal floor plan taking their needs and wants into consideration-Students will be given the rest of the class period to complete this task |
| References and resources | www.homestyler.com |

Include attachments of any handouts, assessments, and/or powerpoints, etc.