Student name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_\_

6th Grade Exploring Technology

Unit Name: Making a floor plan

5 class periods

**What will you learn in this unit?**

In this unit you will learn about styles of homes (exteriors) as well as what a floor plan of a home is and parts of a floor plan.

**How will you do this?**

I can watch videos on home styles

I can research floor plans to see how homes differ

I can construct a floor plan given restrictions and using the smallblueprinter.com site

Content Objective: Use various graphic elements to create an original project

**Why is this important for you to know?**

Someday you will be a homeowner and will need to know what you would like in a home.

**What careers are available in architecture?**

Architect Landscape architect

Civil Engineers Construction Managers

Graphic Designers Industrial Designers

Urban and Regional Planners. Drafters Interior Designers

**Vocabulary:**

*Architecture:the art or practice of designing and constructing buildings.*

*Exterior: forming, situated on, or relating to the outside of something.*

*Interior:situated within or inside; relating to the inside; inner.*

**Fun facts on architecture:**

-The World's Oldest Structures: Megalithic Temples, Malta. Dating back to 3500 to 2500 BC

-One of the tallest buildings in the city, the [Capital Gate](http://www.amusingplanet.com/2013/03/capital-gate-building-leaning-tower-of.html) has been certified by the Guinness Book of World Records as the "world's furthest leaning man-made tower." The building leans 18 degrees, four times more than the Leaning Tower of Pisa.

**Now it's your turn to share.**

1. Describe the exterior of your home: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How can architecture influence its surroundings? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. How can where you live influence the size of the house you want to live in?: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Agenda:**

1. Pictures of home styles. Choose your favorites.
2. Take a look at floor plans and why they differ.
3. Create a floor plan given restrictions on the website smallblueprinter.com

**Reflect:**

1. What new information did you learn in this activity? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. How will you use this information outside of our classroom? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. What did you like most about this unit? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Extra Credit:** Create a landscape with your home. Include grass, sidewalk, a deck or patio and a water feature (fountain, pond or pool). You can include the landscape with your original design. (5 points)

\*\*\*Before turning in this packet check all of your work to make sure it is completed.

This activity needs to be turned in by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please do not write below this line:

---------------------------------------------------------------------------------------------------------------------------------------------------

Reflect: \_\_\_\_\_ / 5 points

**Total: \_\_\_\_\_ / 5 points**

**Formative grade: \_\_\_\_\_**

Computer design \_\_\_\_\_ / 20 points

**Total: \_\_\_\_\_ / 20 points**

**summative grade: \_\_\_\_\_**

**Extra Credit: \_\_\_\_\_ / 5 points**