

WAMC Lesson Plan

Name(s): Bill Haley
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 Lesson Title: Finding a Place to Live
 Date: June 27, 2018

Text: Financial Algebra -Cengage STEM Correlation: Marketing and Technology
 Lesson Length: 2-3 Classes

Big Idea (Cluster): Locating and choosing a place to live-BEST BANG FOR MY \$\$	
Mathematics K–12 Learning Standards:	
Mathematical Practice(s): 1, 3, 4, 5, 6, 7	
Content Objectives: Calculate the affordability of a monthly rent Determine the relationship between square footage and monthly rent Determine lease signing costs Calculate moving expenses	Language Objectives (ELL): RST.9-10.2 RST.9-10.4 RST.9-10.7 RST.9-10.10
Vocabulary: Apartment, Tenant, landlord, furnished, unfurnished, lease, expires, evict, single-family home, multiple-family home, condominium, cooperative, square footage, application deposit, security deposit	Connections to Prior Learning Linear regression equations, plotting points Reading charts
Questions to Develop Mathematical Thinking: <ul style="list-style-type: none"> How can I afford to find a place to live? 	Common Misconceptions: <ul style="list-style-type: none"> Renting is cheaper then purchasing a residence

Assessment (Formative and Summative):

- Work thru examples in the text as a class
- Kahoot <https://goo.gl/tBdTfY>
- End of unit quiz-attached

Materials:

- Text
- Computer-browsing, charting, graphing, reporting
- Access to rental adds appt, home, and condo's
- Samples of leases
- Purchasing contracts
- Credit checks

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Instruction Plan:

Introduction: Finding a place to live-on your own....
Explore: What are possible costs to finding a place to live and your alternatives
When I observe students: Questioning how where they want to live, how much it might costs, how they can afford it...what is needed to make this happen I believe we are on the right track
Questions to Develop Mathematical Thinking as you observe: what location can I afford? How big a place can I afford? Do I need a roommate or 3? How can I buy instead of rent? How do leases work? What will it cost me to get into a place to live?
Answers: No one right answer, but there are costs associated with finding a place to live and some decisions can actually add value to your physical health
Summarize: A person or couple need to fully understand the costs associated to physically renting, leasing, or owning a residence

Career Application(s):

- | |
|---|
| <ul style="list-style-type: none">• Realtor, landlord, property management, real estate developer |
|---|

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QUIZ 7-1

FINDING A PLACE TO LIVE-BEST BANG FOR MY BUCK

Part 1

Your 1st place to live might be a apartment.

landlord

tenant

Apartments come furnished or unfurnished.

Multiple-family home

lease

expires

A person that rents you a apartment or home is called a Condo.

Cooperative

evict

unfurnished

When your Lease expires you might need to move places.

Condo

Furnished

apartment

Before you move in you must sign a lease.

Single-family home

If you are offered to purchase an apartment that apartment can be called a Condo or a cooperative.

Part 2

Create a graphic organizer that deals with owning and renting an apartment or a home

Answers will vary but hopefully contain most of the information covered in our discussions

Part 3

Tim makes \$45,000 per year and pays 25% of his gross monthly income in federal and state taxes. He wants to find an apartment to rent. Estimate how much he can afford to rent each month. Then determine how much money he will have after taxes and rent are paid.

Good estimate is 28% of gross

$\$45000/12 = \3750 gross

$\$3750 \times .28 = \1050 after taxes

$\$1050 \times .25 = \262.50 available for rent

$\$3750 - \$1050 - \$262.50 = \2437.50 remaining for other things

Lab

Research 3-4 places to rent, locate their sq footage, location, transportation options, other amenities. Present your outcomes into a report (presentation) and justify what your choice and how that can be afforded

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Leadership/21st Century Skills:

21st Century Interdisciplinary themes (Check those that apply to the above activity.)

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|--|--|---|
| <input checked="" type="checkbox"/> Global Awareness | <input checked="" type="checkbox"/> Financial/Economic/Business/Entrepreneurial Literacy | <input type="checkbox"/> Civic Literacy |
| <input type="checkbox"/> Health/Safety Literacy | <input type="checkbox"/> Environmental Literacy | |

21st Century Skills (Check those that students will demonstrate in the above activity.)

LEARNING AND INNOVATION	INFORMATION, MEDIA & TECHNOLOGY SKILLS	LIFE & CAREER SKILLS	Productivity and Accountability
<u>Creativity and Innovation</u>	<u>Information Literacy</u>	<u>Flexibility and Adaptability</u>	<u>Manage Projects</u>
<input checked="" type="checkbox"/> Think Creatively	<input checked="" type="checkbox"/> Access and Evaluate Information	<input type="checkbox"/> Adapt to Change	<input type="checkbox"/> Produce Results
<input checked="" type="checkbox"/> Work Creatively with Others	<input type="checkbox"/> Information	<input checked="" type="checkbox"/> Be Flexible	<u>Leadership and Responsibility</u>
<input type="checkbox"/> Implement Innovations	<input checked="" type="checkbox"/> Use and manage Information	<u>Initiative and Self-Direction</u>	<input type="checkbox"/> Guide and Lead Others
<u>Critical Thinking and Problem Solving</u>	<u>Media Literacy</u>	<input checked="" type="checkbox"/> Manage Goals and Time	<input type="checkbox"/> Be Responsible to Others
<input checked="" type="checkbox"/> Reason Effectively	<input type="checkbox"/> Analyze Media	<input type="checkbox"/> Work Independently	
<input checked="" type="checkbox"/> Use Systems Thinking	<input type="checkbox"/> Create Media Products	<input checked="" type="checkbox"/> Be Self-Directed Learners	
<input checked="" type="checkbox"/> Make Judgments and Decisions	<u>Information, Communications and Technology (ICT Literacy)</u>	<u>Social and Cross-Cultural</u>	
<input checked="" type="checkbox"/> Solve Problems	<input checked="" type="checkbox"/> Apply Technology Effectively	<input type="checkbox"/> Interact Effectively with Others	
<u>Communication and Collaboration</u>		<input type="checkbox"/> Work Effectively in Diverse Teams	
<input checked="" type="checkbox"/> Communicate Clearly			
<input type="checkbox"/> Collaborate with Others			

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