

Welcome to PLT!

PLT Success Class - Lesson 3

Objectives

- understand and be able to practice making a plan on a daily level
- utilize the key vocabulary and objectives to create a plan

Agenda

Warm Up - Goal Setting
Mini Lesson - How to make a plan for one PLT class + using key vocabulary
Guided Practice +
Independent Practice
Reflection

Warm Up - Goal Setting

Using what we learned last week about setting SMART goals, set a goal for PLT in your PLP tool.



Mini Lesson - Why make a plan?



Goals → PLAN

Work plans...

Help us organize our time.

Help us focus.

Help us follow through on our goals.

Using key terms and objectives to make a plan

Let's look at the objectives and key terms for one of the playlists.

Now I'm going to make a plan based on the key terms and objectives

OVERVIEW

By the time you finish this playlist you should be able to:

1. Identify the key features of arithmetic and geometric sequences.
2. Continue arithmetic and geometric sequences.
3. Given only the growth factor, determine whether a sequence is growing or decaying.

KEY TERMS

Vocab: By the time you finish this playlist, you should be able to define and give an example of the following terms:

- term (in a pattern/sequence)
- first term / initial value
- arithmetic sequence
- common difference
- geometric sequence
- growth factor (also called the common ratio)

Making a plan

Activity	Time	Completed?
<p>Study the key terms (Congruent, corresponding, side, angle, congruence criteria (SSS, SAS, ASA, AAS, HL), CPCTC, bisector (perpendicular bisector)</p>	15 minutes	
<p>1. Know precise definitions of angle, circle, perpendicular line, parallel line and line segment</p>	25 minutes	
<p>2. Given a figure, specify a sequence of transformations that will carry the figure onto another; given a figure and a transformation, specify the new figure</p>	25 minutes	
<p>Take the diagnostic to see if I'm ready</p>	10 minutes	

Side note (or slide note) 😊

While taking the content assessment, and you have to fill in the blank with a number write only that number, not a sentence.

Question 2

What is the opposite of -7?

Answer

the opposite of -7 is 7

Independent Practice

1. Now, make your own plan for the playlist you are working on, based on your goal. Make sure to make your plan realistic and achievable!
2. Use that plan to start studying. Make sure to keep track of your plan and timings - it is there to help you achieve your goal.

Reflection

In your PLP, answer the following questions thoughtfully:

Do you think that making a plan using the objectives and key terms was a useful strategy for you? Why or why not?

Were you able to stick with your plan as you worked? Why or why not?

What are you going to work on for at-home PLT tonight?

How are you going to use this strategy when you work at home tonight for at-home PLT?

Mini Lesson - Prioritizing

Sometimes, an objective in a playlist can have up to 10 resources! How should you choose which resources to prioritize?



Model - Prioritizing!

Jane Doe wants to master this objective. She learns best seeing videos and examples. How should she prioritize the resources she is going to use?

Identify the key features of arithmetic and geometric sequences

Intro: Geometric Patterns

Terms: geometric patterns, common multiplier or ratio Skills: generate the next term in a geometric pattern (e.g. 1, 2, 4, __) and articulate a simple rule that will always generate the next term. *** For both increasing and decreasing patterns! STOP when you get to the part about Summing Geometric Series - that's not part of this playlist :)

Video: How do you find the common difference? (VirtualNerd)

This video will help you understand how to find the common difference for ARITHMETIC sequences.

Arithmetic Sequences: Review & Roundup

Vocabulary and a Quick Review of Arithmetic Sequences all in one!

Geometric Sequences: Review & Roundup (includes how to find the growth factor - error on slide 3)

Vocabulary and a Quick Review of Geometric Sequences all in one!

Geometric Sequences: Review & Roundup (includes how to find the growth factor - error on slide 3)

Vocabulary and a Quick Review of Geometric Sequences all in one!

Video: Arithmetic Sequences

Terms: arithmetic pattern, common difference Skills: generate the next term in an arithmetic pattern (for example, 1, 3, 5, __) and articulate a simple rule that will always generate the next term (in this case, add 2 to the previous number). Source: KHAN

Video: Geometric Patterns

Terms: geometric patterns, common ratio or multiplier Skills: generate the next term in a geometric pattern (e.g. 1, 2, 4, __) and articulate a simple rule that will always generate the next term. *** For both increasing and decreasing patterns! Source: KHAN


Check for Understanding: Identifying the initial value and common difference


Check for Understanding: Identifying the initial value and growth factor

Practice Prioritizing

John Doe wants to master this second objective. He wants to start by using 3 resources. He learns best by reading and taking notes. Which resources should he prioritize?

Know precise definitions of angle, circle, perpendicular line, parallel line and line segment


 Realize that definitions and representations can be distinct


 Understand the importance of precise definitions

 Define geometric terms precisely

Given a figure, specify a sequence of transformations that will carry the figure onto another; given a figure and a transformation, specify the new figure

 TEXT + VIDEO: Congruence and Similarity

 TEXT + VIDEO: Congruent Figures

 CHECK FOR UNDERSTANDING: Apply rotations, reflections, and translations to determine if a two-dimensional figure is congruent to another

Independent Practice

When making your plan, prioritize the resources that you are going to use by numbering them by importance. Make sure to be ready to explain to your teacher why you prioritized those resources.

1. Go back to the plan that you started to make after setting your goal. Make sure that you have a clear idea of how you are going to spend your time today.
2. When your plan is ready to go, start working!

Reflection

In your PLP, answer the following questions thoughtfully:

Do you think that planning/prioritizing was a useful strategy for you? Why or why not?

What types of resources do you think work best for you to learn?

What are you going to work on for at-home PLT tonight?

How are you going to use prioritizing in your at-home PLT work?

Create an action item with a goal for tonight!