

# West Valley IB Newsletter



## IB MEMES!



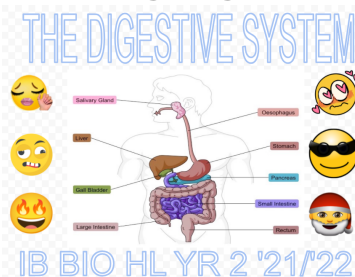
## CAS Highlight:

**Arithmetic Sequences:**  
 #1: There's a sequence of 5,6,25,7,50...  
 a. What's the sum from sequence 1 to sequence 12?  
 b. What's the 13th term in the sequence?  
 #2: The sum of a sequence from 1 to 17 is 500 and the first term in the sequence is -5.  
 a. What's the 17th term in the sequence?  
 b. What's the common difference of the sequence?  
**Simple Interest:**  
 #3: I can't afford Columbia University. In hopes to be able to, I'm depositing the \$12 I currently have with a bank that is offering me 1.2% annual simple interest for 34 months.  
 a. How much am I going to earn from this deposit?  
 b. How much annual interest would the bank have to offer me for 34 months for me to actually afford college (\$80,000)?  
**Annuities:**  
 #4: Lilly, you are starting to save for retirement. You've decided to deposit \$110 monthly into your savings account with an annual interest rate of 5.7% compounded monthly.  
 a. At the end of your annuity, you ended up with \$1,000. How long was your annuity (in months)?  
 b. At the end of your annuity, you hope to have \$80,000 (for Columbia University). How long does your annuity have to be to afford it (in years)?  
**Amortization:**  
 #5: A hungry horse wants some hay but can't afford it. The horse takes out a loan for \$10 at a monthly interest rate 84.7% compounded monthly for 5 years.  
 a. What is the horse's monthly payment?  
 b. How much did the horse actually pay for the hay?

This past month Aaron and Lilly, both IB DP seniors, have been studying math together for their IB Math class. Lilly was worried about possibly not passing the class so Aaron helped her out and tutored her. Both students benefited: Lilly got a better grade than she was expecting and Aaron was able to develop a deeper understanding of the subject

material.

## Class Highlight:



Students in IB Biology HL Yr2 convinced Mrs. Padron to let them make a biology themed song rather than answer free response questions for their final. Working together as a class, they composed a digestion system themed song and became professional rappers!

Here are just a few of the beautiful lyrics:

Boutta chow down!!! (Yum!)  
 Yeah boutta chow down!  
 Homeostasis is what I need  
 Digestion is my creed  
 Aided by enzymes at a high speed  
 And these sick rhymes, they're all I need.

## IB Student and Teacher of the Month:

IB Student: **Francisca Marchant**  
 "She is a great student and works hard."

IB Teacher: **Mr. May**  
 "He has a great late work policy" and "He has been putting a lot of effort into things recently."

Website: [wvhsib.weebly.org](http://wvhsib.weebly.org)

