REMINDERS:
- FATHERS DAY STALL-TUESDAY- (reopening on Friday if you miss out or need to exchange your presents. BRING A BAG TO TRANSPORT YOUR GIFT HOME
- SPRING HAS SPRUNG..............................
- Share with someone some things that make you feel grateful.

**TASK 1: MATHLETS**

Make sure you are up to date with the expectations. Your teacher will be monitoring your results via their grade account.

**TASK 2: FRACTIONS**

Task: Use any app you like. Draw a 10 x 10 grid.

- In the PARK. You **must** have:
  - grassed areas
  - a water feature area (ie pond, lake, pool, etc)
  - woodlands, forest etc
  - flower beds
  - playgrounds
  - paths leading north/south and or east/west

- Each section of the park needs to be coloured in and represented as a percentage (out of 100) %.
- In your book write the name of each section and represent it as a fraction, a percentage and a decimal.
- I.e path = 10/100 = 10% = 0.1

Hint: Convert all areas to a common representation. Make sure you use LCD to help simplify the task. Remember....... there are 100 squares.

**RULES**

Shade each area of your park a different color.

Create a key or legend for your plan.

1. At least ¼ of the area must be grassed
2. The water must not take up more than 1/6 of the park.
3. The woodlands needs to take up less than 20% of the park.
4. Flower beds must not be near the shade caused by the woodlands
5. The playgrounds should be away from the water area.
6. There should be 2 playgrounds taking not more than 5% of the area each. The path and the playground should be adjacent to each other for easy access.

Remember: You should still have Virtual Manipulatives on your iPad. Use this to help you convert your fractions to % and decimals.
Internet research

1. Who invented the fluorescent light tube?
2. What are its advantages over an incandescent light globe?
3. Which type of lighting costs more to run, fluorescent or incandescent? Draw the different globes in your book.
4. What are LED lights and how do they work?
5. What are Halolux lights and how do they work?
6. What type of lights do you have in your house? If you have a combination of lighting types, which room has the most efficient lighting type?

Different countries have different voltage and frequency of alternating current (AC).
The voltage and frequency of alternating current (AC) electricity used in homes varies from country to country throughout the world. Typically either 110-volt AC (110V) or 220-volt AC (220V) are used. Note that 110 volts and 220 volts are averages, since the voltage does fluctuate during usage. Most countries use 50Hz (50 Hertz or 50 cycles per second) as the frequency of their AC. Only a handful use 60Hz. [http://www.school-for-champions.com/science/ac_world_volt_freq_list.htm#.VeLH8rQuiJU]

What voltage electricity is used in these countries and what type of power plugs do they use? Draw them in your book.

Australia, Indonesia, Ireland, Hong Kong, Europe, Asia, Africa, Fiji.

Make A Book for Dad For Father’s Day

Make your book at least five pages and have it ready to read to him on Father’s Day morning

Tell him all the things that he does that you appreciate:

eg. I love it when you help me with my homework.

- Thanks for taking me to basketball.
- I love watching the footy with you when you come home
- Thanks for cooking tea for me.