MedYSP Online: Molecular Biology & Genetics

Supply List for At-Home Activities

Supplies listed below include common household items and things that can usually be found at your local dollar store

(alternatively, check stores like Walmart or Michaels which offer curbside pickup, or Amazon)

		DNA Model Building	
□ Scissors			
□ 6 different colours of pony beads:			
	□ 20 of colour 1		
	□ 10 of colour 2		
	☐ 16 of colour 3	7.000 O	
	□ 8 of colour 4		
	☐ 18 of colour 5	To come	Marina Marina
	☐ 36 of colour 6		
☐ 2 different colours of chenille pipe cleaners (6 mm x 12 inch):			
	☐ 2 of colour 1 (uncut)		4.64
	5 of colour 2 – cut into 18 nieces	of 3 inches each	(a

DNA Sequencing Activity

- ☐ Black marker (e.g. Sharpie)
- □ Small dot stickers or something similar less than 1 cm in diameter, 4 different colours (green, yellow, red and blue are preferred), at least 25 dots of each colour can be found at dollar stores in the office/school supplies section

These stickers are preferred as it is easier to correct errors as you go through the activity, however, as an alternative, you could use four different coloured markers.



DNA Extraction

v need a few ne
-
-
Thy I
1,1

The rod will be used to pick up your DNA from inside the small drinking glass/beaker and put it into the storage container, so it must easily fit through the opening of the storage container and it must be long enough to reach into your small glass/beaker.

A dollar store would be the most economical source for the supplies. However, should you wish to order online here are some options from Amazon.ca (delivery) and Michaels Canada (curbside pickup):

Pony beads: Amazon 1 Amazon 2 Michaels 1 Michaels 2

Pipe cleaners: <u>Amazon 1</u> <u>Amazon 2</u> <u>Michaels</u>

Dot stickers: <u>Amazon 1</u> <u>Amazon 2</u>

Mini glass bottle with cork/lid: <u>Amazon 1</u> <u>Michaels 1</u> <u>Michaels 2</u> <u>Michaels 3</u>