1. Microscopes:

* Field of view.
* Total magnification.

2. Statistics:

* Average, mode, median and interquartile range.
* Graph rules.
* Table rules.

3. Scientific method:

* Reliability, validity, etc.

4. Cells (structure/organelles, etc.).

5. Cell transport mechanisms:

* Diffusion.
* Active transport.
* Vesicular transport.
* Facilitated diffusion.
* Etc.

6. Metabolism:

* Catabolism, anabolism and cellular respiration.
* Enzymes.

7. Respiratory system:

* Structure and function.
* Diffusion in the alveoli.

8. Circulatory system:

* Heart structure and function.
* Blood components.
* Blood cells and functions – erythrocytes, leukocytes and thrombocytes.

9. Blood types and transfusions.

10. Digestive system:

* Structure and function.
* Enzymes.
* Absorption in villi.
* Digestive disorders.

11. Excretory system:

* Macroscopic structure and function.
* Microscopic structure and function.
* Urine formation – Filtration, selective reabsorption, obligatory reabsorption of water, facultative reabsorption of water and tubular secretion.

12. Macroscopic and microscopic structure of bone.

13. Microscopic and macroscopic structure of muscle:

* Sliding filament model.
* Structure of the synovial joint.
* Agonist/antagonist muscle pairs.
* Movements.