Flip card design template

*Mitosis phase name cas car*

You will use at least 22 cards to complete the project, One card for late interphase, cards 2-5 are prophase, 6-10 are metaphase, 11-15 are anaphase, 16-20 are telophase and 21-22 are cytokinesis. Card 1, 5, 10, 15,20 and 22 should be labeled with the appropriate phase name throughout the card deck, ending with cytokinesis, as well as labels for each of the following. Use Blue for original chromosome and red for copy, black for centromeres, orange for centrioles and brown for the spindle fibers. Purple is used to show a disappearing or re-appearing nuclear membrane. See weebly, Ch 8 for examples of cards 6-10. Carry the colors through each of the cards.

The idea to draw at least 4 pairs of chromosomes in the circle, slowly showing the migration of the chromosomes through the mitosis cycle, starting with Interphase, where the cell has chromatin and is just being a cell. This is similar to how old cartoons were drawn, 1 frame at a time.

the end of Interphase card should show the chromosomes should be starting to double so you have twice as many as you did to begin with and the nuclear membrane should be dashed because it is disappearing.

Prophase should show the appearance of the centrioles, centromeres and spindle fibers as well as the gradual disappearance of the nuclear membrane. The centrioles should be drawn next to each other to start with. Add one structure per card until they are all there.

Metaphase should show the gradual alignment of the chromosome pairs along the equator of the cell, the spindles attached to the centromeres and the centrioles slowly migrate to opposite sides of the cell with the spindles attached.

Anaphase should show the chromosome pairs pulling apart and the chromatids migrating in opposite directions toward the centrioles. The cell should start showing more of an oval shape instead of a circle.

Telophase should show the the gradual re-appearance of the nuclear membrane around the chromosomes and the disappearance of the centrioles and spindle fibers. The last 2cards should be labeled cytokinesis and show the formation of. 2 complete new cells.