

Heredity Model Rubric-Poster

The poster uses chromosomes in cells to represent information passed down from P1 and P2 to F1 and from F1 to F2.

The representations that are used for the traits on chromosomes are clearly labeled and explained using a legend/key.

The poster demonstrates the role of meiosis/formation of gametes in the passing on of traits, and the possible gametes formed in P1, P2, and F1 plants.

The poster explains the traits that were observed in the data collected by the class as well as the data collected using the computer simulation.

The poster demonstrates how predictions can be made for outcome of crosses between F1 x P1 or F1 x P2.

The poster shows how the model is either supported or refuted by the data collected on fast plants in class and with the computer simulation.

The poster is clearly organized and legible from a distance.

The poster represents original and creative illustrations and descriptions.

Heredity Model Rubric-Presentation

The poster and props are used to explain the transfer of information from generation to generation.

Presenters explain how traits are labeled on chromosomes using a legend/key.

The poster and props are used to explain the process of meiosis/gamete formation and how it relates to the passing on of traits from generation to generation.

Random assortment is explained in gamete formation.

The presenters show how they can predict the outcomes of crosses involving one or two traits through the use of their poster and props, etc.

Presenters use one additional type of physical display other than their poster when explaining their model.

Visual aids are large and clear enough for all students to see and understand.

The presentation is well rehearsed and is 8-10 min. in length.

All members play a significant role in the presentation of the model.

The presentation is creative and interesting.