

An activity to engage children in *Drosophila* genetics

developed by:

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Cartoons of different fly body parts (*see next pages*) were generated using the [Genotype Builder](#) {Roote, 2013 #6784}. They were printed, cut out, laminated, and equipped with a velcro dot on the back.

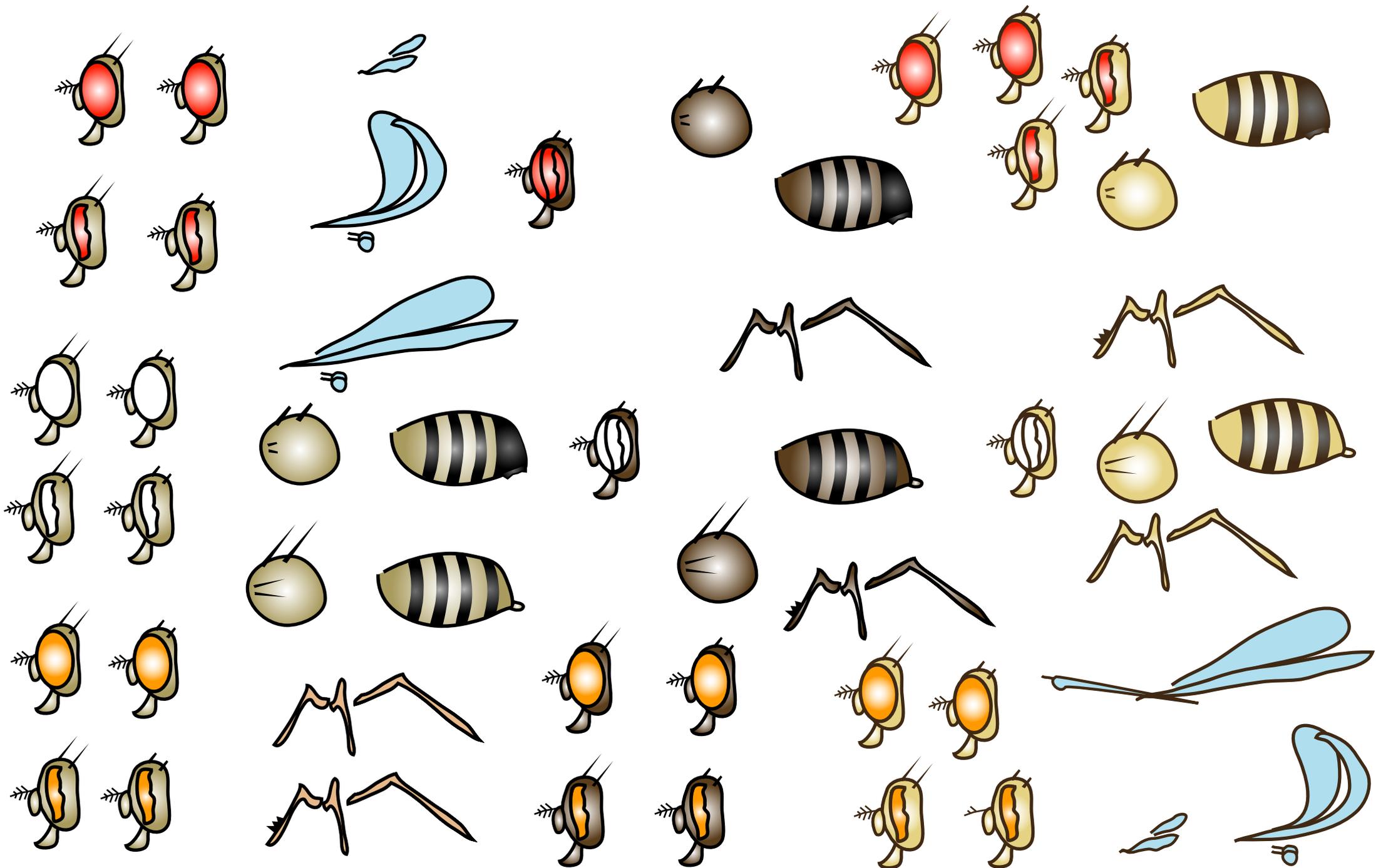
This way they can be assembled into whole flies on a felt board. Children can be creative, e.g. generate a *Ubx Cy* double-mutant very simply.

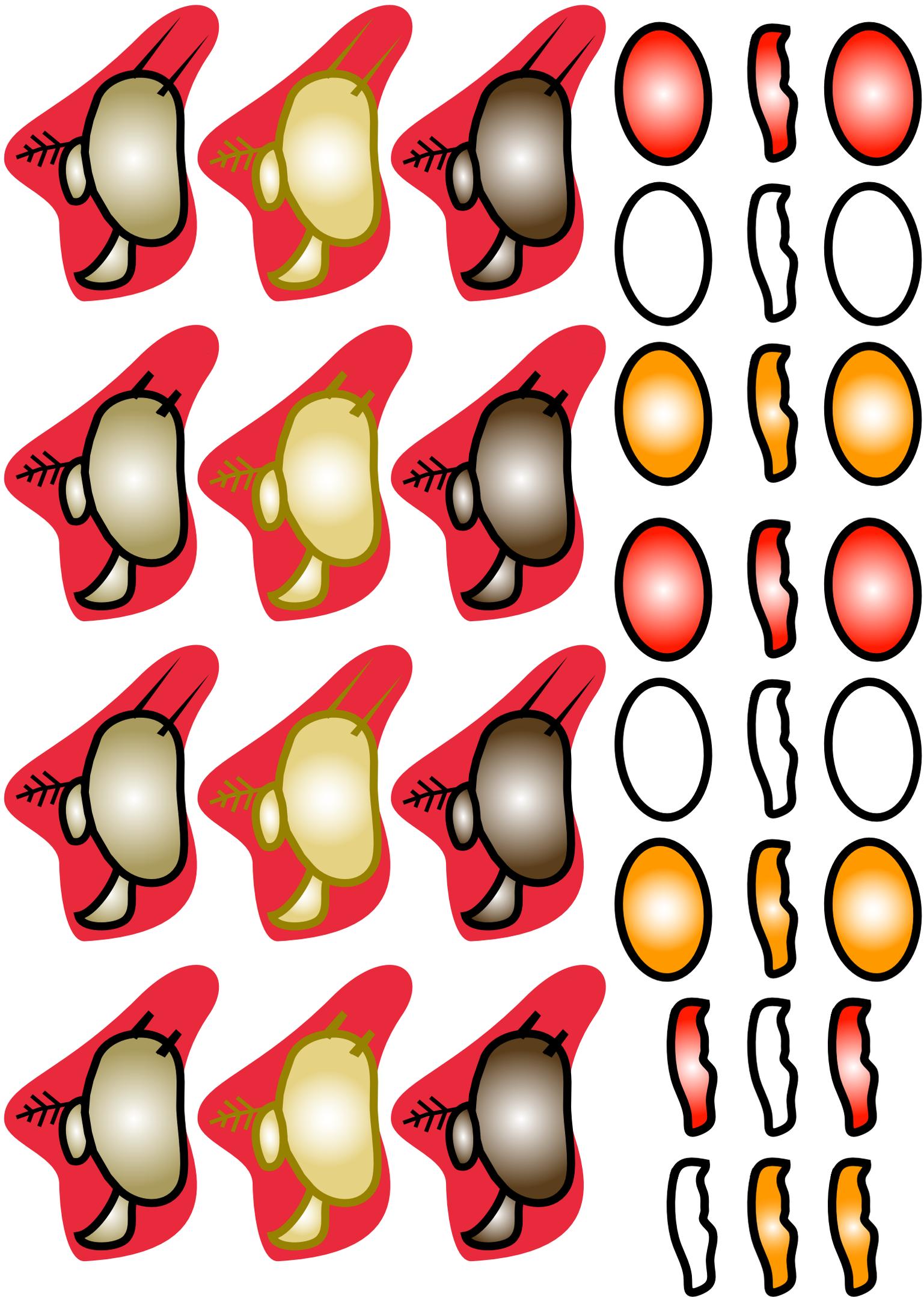
Inspiration can be taken from the mini poster (*last page*) or from showing mutant flies under the stereo microscopes.



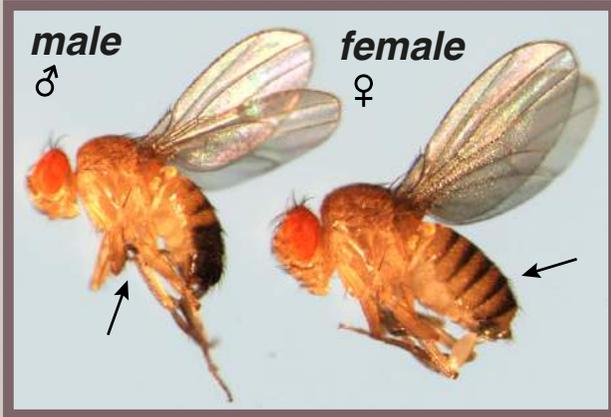
Reference:

Roote, J., Prokop, A. (2013). How to design a genetic mating scheme: a basic training package for *Drosophila* genetics. *G3 (Bethesda)* **3**, 353-8 -- [\[Link1\]](#) [\[Link2\]](#)

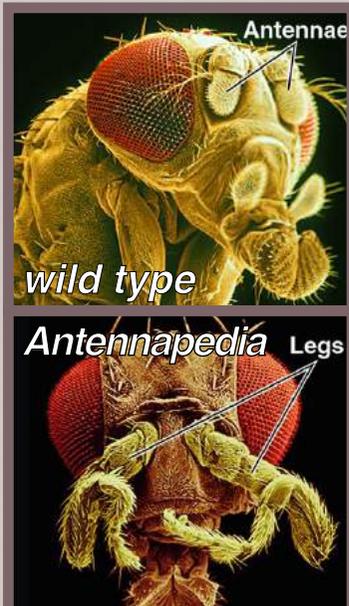




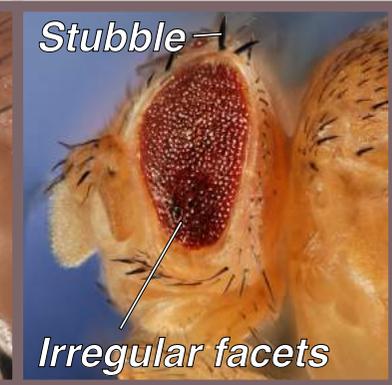
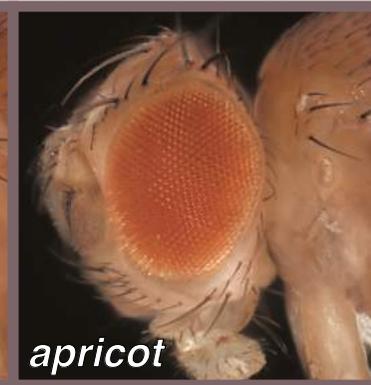
NORMAL FLIES



WING MUTANTS



EYE COLOUR AND SHAPE



BODY PART TRANSFORMATION



BODY COLOUR AND HAIR SHAPE MUTANTS

