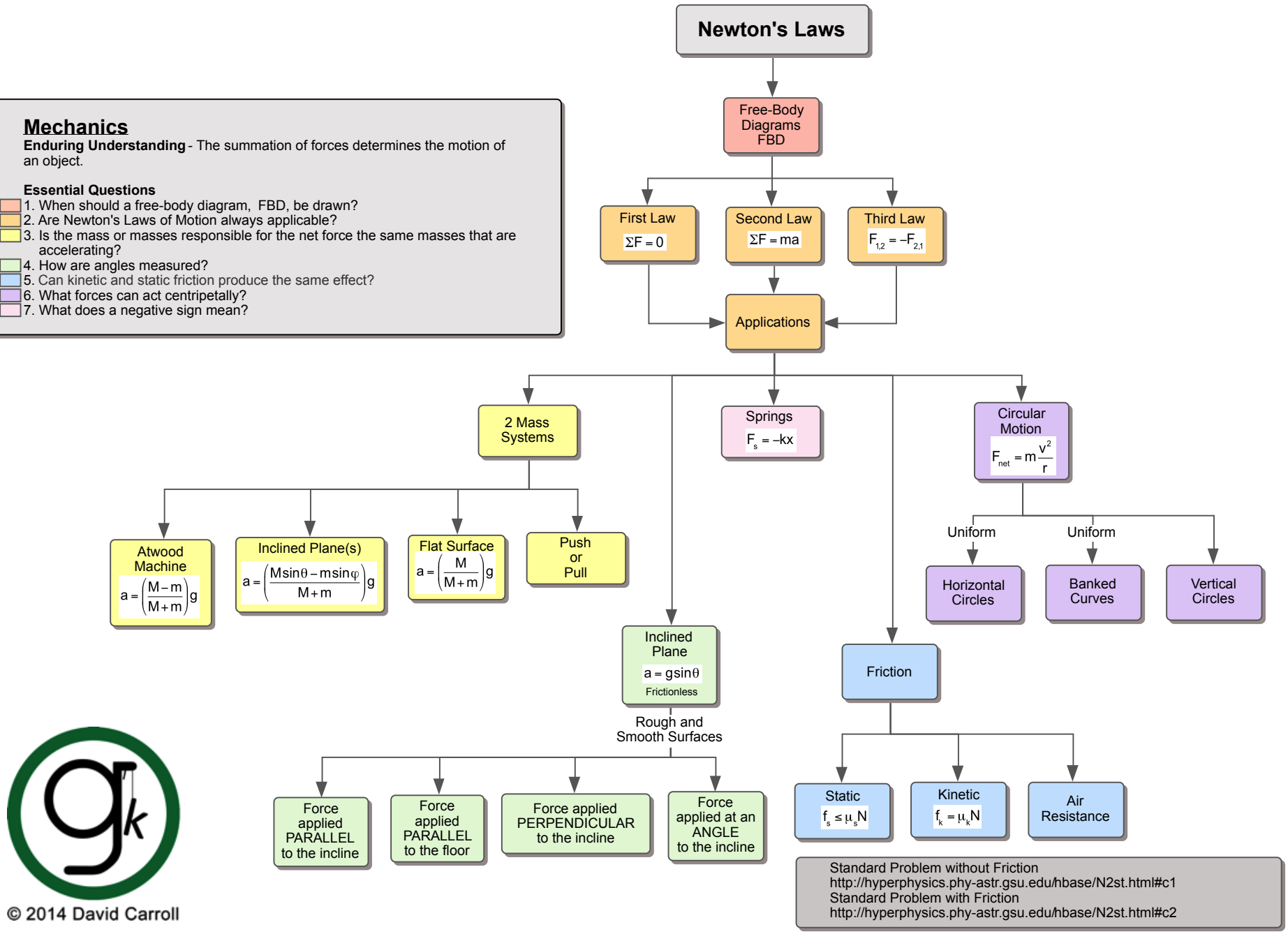
Mechanics

Enduring Understanding - The summation of forces determines the motion of an object.

Essential Questions

1. When should a free-body diagram, FBD, be drawn?
2. Are Newton's Laws of Motion always applicable?
3. Is the mass or masses responsible for the net force the same masses that are accelerating?
4. How are angles measured?
5. Can kinetic and static friction produce the same effect?
6. What forces can act centripetally?
7. What does a negative sign mean?



Standard Problem without Friction
http://hyperphysics.phy-astr.gsu.edu/hbase/N2st.html#c1
Standard Problem with Friction
http://hyperphysics.phy-astr.gsu.edu/hbase/N2st.html#c2