

## Physics In My Life

Every student must be able see a connection between the physics we study and their own life. Therefore, each student will use keep a *knowledge model* (portfolio) which is collection of interconnected concept maps and associated resources. The home cmap will be a general concept map about your interest. Other maps will link off of it show how the physics we study are related to that. This can best be done using CmapTools as your files can be accessed via the Internet. You may chose any topic of your interest (within reason). For a general overview of knowledge model see [Support for Constructing Knowledge Models in CmapTools](#).

You will be provided with a list of assignments that should be included as links within the concept maps themselves. Each essential question should have a concept map associated with it. The assessment will fall into two categories: overall portfolio and the concept maps themselves.

### Overall Portfolio Rubric

	Highly Competent	Competent	Acceptable	Needs Improvement	Unsatisfactory
<b>Layout/ Design</b>	The home cmap has an exceptionally attractive and usable layout. It is easy to locate all important elements. Graphics significantly enhance the portfolio's effectiveness.	The home cmap has an attractive and usable layout. It is easy to locate all important elements. Graphics do not take away from the portfolio's effectiveness.	The home cmap has a usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	The home cmap is cluttered looking or confusing. It is often difficult to locate important elements.	The home cmap is either not defined or is very limited in detail. It is often impossible to locate important elements.
<b>Home Cmap content</b>	All information provided is accurate and has a significant amount of detail.	All the information provided is accurate and has a good amount of detail.	All the information provided is accurate and has an adequate amount of detail.	Most of the information provided is accurate and has some amount of detail.	Some to very little of the information provided is accurate and has a little amount of detail.
<b>Navigation</b>	Links are clearly labeled and allow the reader to easily move from a cmap to related cmaps/ resources (forward and back). The user does not become lost.	Links are clearly labeled and allow the reader to easily move from a cmap to related cmaps/ resources (forward and back). The user rare becomes lost.	Links are labeled and allow the reader to move from a cmap to related cmaps/ resources (forward and back). The user sometimes becomes lost.	Some links do not take the reader where s/he expects to go, but some needed links seem to be missing. A user frequently gets lost.	Few to no links are present and do not take the reader where s/he expects to go. A user typically gets lost.
<b>Organization</b>	Files are well organized in a hierarchical folder structure. Files are clearly labeled and each iteration of a cmap is kept.	Files are organized in a hierarchical folder structure. Files are clearly labeled and each iteration of a cmap is kept.	Files are organized in a somewhat hierarchical folder structure. Files are clearly labeled and each iteration of a cmap is kept.	Files are organized in a poor hierarchical folder structure. Files are labeled and most iterations of a cmap are kept..	A flat structure exists where all the files are in a single directory. Files are poorly labeled and few to none of the cmap iterations are kept.

Highly Competent = 100-90, Competent = 89-80, Acceptable = 79-70, Need Improvement = 69-60, Unsatisfactory = 59-0