

Geologic Mapping I Activity Scoring Rubric

Learning Objective	4	3	2	1
Combine field observations of location and lithology to make a geologic map.	The map contains at least four different strikes and dips measured at the locations noted along section A-A' perpendicular to regional strike. All strikes and dips are accurate to within 5%	The map contains at least four different strikes and dips measured at the locations noted along section A-A' perpendicular to regional strike. All strikes and dips are accurate to within 10%	The map contains at least four different strikes and dips measured at the locations noted along section A-A' perpendicular to regional strike. Some strikes and dips are not accurate to within 10%	The map contains less than four different strikes and dips measured at the locations noted along section A-A' perpendicular to regional strike. None of the strikes and dips are accurate to within 10%
Understand the continuity of rock units under the topography between outcrops and at depth.	The cross section developed is consistent with all major structural features present and reflects the actual order of all stratigraphic units present	The cross section developed is consistent with most major structural features present and reflects the actual order of all stratigraphic units present	The cross section developed is consistent with most major structural features present and reflects the actual order of most stratigraphic units present	The cross section developed is consistent with some major structural features present and reflects the actual order of some of the stratigraphic units present
Understand the interpretive quality of geologic maps and cross sections.	The final report provides an internally consistent interpretation linking all structural and stratigraphic elements into the regional expression of the tectonic event.	The final report provides an internally consistent interpretation linking most structural and all stratigraphic elements into the regional expression of the tectonic event.	The final report provides an somewhat internally consistent interpretation linking most structural and most stratigraphic elements into the regional expression of the tectonic event.	The final report does not provide an internally consistent interpretation linking structural and stratigraphic elements into the regional expression of the tectonic event.