

Agricultural Water Management Lessons

Grades 9-12

(For related Nebraska Extension materials see <https://cropwatch.unl.edu/irrigationlessons>)

Lesson	Approximate Time	Objective	Power Point Completed	Video?	Potential Lab Activity(ies)	Other Resources, etc.
Overview of Irrigation Past & Present	45-50 minutes	Explain past and present types of irrigation practices.			Infographic of past/present irrigation	
What is conventional furrow irrigation?	45-90 minutes				Create a small-scale model of conventional irrigation	
Center Pivot	45-90 minutes				Create a small-scale model of center pivot (I have an example)	
Subsurface Drip	30-45 minutes					
Irrigation Management Overview		Soil differences, tillage practices, etc.			"irrigated tilled vs. non-tilled" soil	
Using the ETgage						
Using Watermark Sensors						
Variable Rate Technologies						