

Washington Township School District

STEM/Makerspace Curriculum

Grade:	1	Mystery Science Unit/Project Title:	Spinning Sky/Shadow Clock
NJ Learning Standard(s):	<ul style="list-style-type: none">• 1-ESS1-1• K-2-ETS1-1• K-2-ETS1-2		
Objective:	Student will design a shadow clock.		
STEM/ Unit Activities	Plan and design a shadow clock to record the movement of the sun and shadows through the day.		
Suggested Assessments:	<ul style="list-style-type: none">• Exit Ticket• Journal• Project Rubric• Unit Test• Response sheet• Self-assessment		
Supplies Needed:	Paper plates, drawing tools, rocks		
Resources to Support Unit:	Mystery Science Unit, books about the sun and shadows, websites about the sun and shadows, Brain Pop Jr., https://sunearthday.nasa.gov/2005/images/Sun_Dial_pdf.pdf		