

# Hot Day

**Class:** \_\_\_\_\_

**Date:** \_\_\_\_\_

<b>Performance and Learning Targets Linked to the Activity and the Eight Next Generation Science Practices</b>  Observe the suggested student behaviors while working with the activity. Either use the suggested Emerging (E), Developing (D), Proficient (P), Accomplished (A) proficiency level descriptions or use one relevant to your context.	Name(s):												
<b>Student Performance Targets Linked to the Activity</b> To what degree can the student...?													
Design and build a fan model that meets or exceeds the requirements (E.g. Can stand on its own, Uses gears or pulleys, Can be turned by hand) (2)													
Design and build a model that demonstrates understanding of gears and pulleys (2)													
Complete the hot day extra challenge to apply the ideas of systems and system models, structure and function & cause and effect (2)													
Make changes or create a model design based on data in order to determine the degree to which a model works as it is intended (2, 3, 4, 5, 6)													
Use tools and/or materials to design and/or build a model that solves a specific problem (6)													
<b>Selected Student Learning Targets Linked to the Practices</b> To what degree can the student...?													
Ask or identify questions that can be answered in an investigation (1, 3)													
Demonstrate ability to use fair testing of models and make adjustments based upon data (3, 4, 6)													
Communicate and compare the design ideas and the meaning of the findings with others (E.g. orally, in drawing or writing) (4, 6, 7, 8)													
Develop and follow a plan to define, carry out, test, evaluate and share a design task (2, 3, 4, 5, 6, 7, 8)													
Compare the effectiveness of solutions with other groups and listen to the ideas of others (6, 7, 8)													
<b>Optional Student Learning Targets</b>													
Lesson Observational Notes:													