



Course Name	Science
Grade Level	3 rd
Lesson Author	Larissa Whitney, Lincoln Elementary School (Hays, Kansas)

Unit Title	Weather and Climate
Lesson Title	Wind Energy Blows Me Away!
Suggested Lesson Time	<i>90 minutes</i>
Lesson Objectives	<ul style="list-style-type: none"> Students will design multiple solutions to a paper house model, with the added challenge of limited materials. The house must withstand a “windstorm.”

Instructor Preparation	
References	
<ul style="list-style-type: none"> HirePaths Cool Career Video: Wind Turbine Technician Weather & Climate: Wind DIY Weather Vane 	
Instructional Media	
<ul style="list-style-type: none"> The lesson gives instructions step-by-step here as well as access to the handouts 	
Equipment and Tools	
<ul style="list-style-type: none"> Access to the YouTube video for Wind Turbine Technician 	
Materials	
<ul style="list-style-type: none"> Find the equipment needed for the wind storm activity here Click here for equipment needed to build weather vane 	



Student Preparation

Assignments

- Discover effects of natural hazards
- Design and build paper models of a windproof house
- Extension: Construct a weather vane

Introduction

Kickstart the lesson by showing the [HirePaths Cool Career Video: Wind Turbine Technician](#).

After the video, explain that students will see just how powerful wind can be with today's science lesson: [Weather & Climate: Wind](#) [the link takes students through step-by-step]



Information Presentation	
<i>Information</i>	<i>Key Points</i>
<ul style="list-style-type: none">● Wind Turbine Technician● Natural hazards including tornadoes, dust storms, hurricanes, etc.● Construction engineering	<ul style="list-style-type: none">● Career Connection● Problems and solutions using models● Vocabulary<ul style="list-style-type: none">○ Sealants○ Grooved nails○ Cement foundation

Summary
The science lesson wraps up the activity here .



Student Activities

- Discover effects of natural hazards
- Design and build paper models of a windproof house

Extension Activity:

- DIY weather vane: [click here](#)

Student Assessment

- Handouts from the lesson
- Showcase partner groups' sturdiest models
- Host a competition to determine which house can withstand the most wind

