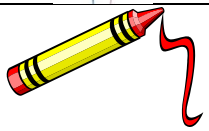
Object	Prediction Will the wind be able to move this object?	Observation
		
		
		
		
		
		
		

Another object I think the wind will be able to move is...

I think this because...

Identify the different steps that the character went through to design and build a windmill.

Design Process

Data on Trials

Indicate the number of rotations in one minute. This is abbreviated as rpm.

Trial #1 rpm	Trial #2 rpm	Trial #3 rpm

We modified our design by

And think this will change

Indicate the number of rotations in one minute after your modification.

Trial #1 rpm	Trial #2 rpm	Trial #3 rpm

Video links that help illustrate how a windmill and wind turbine works:

Energy from the Wind demonstrates creating pinwheel type windmills to test their efficiency.

www.youtube.com/watch?v=F3bZzOyMhKI

Collection of different wind mill type turbines:

www.youtube.com/watch?v=v6s0aAMof3o

Science Screen Report for Kids examines the design process of a wind turbine:

www.youtube.com/watch?v=azp3PqnTpn0

Additional trade books:

Bauer, M. D. 2003. *Wind*. New York: Scholastic. ISBN: 0-439-71123-1

This text gives an overview of things the wind can do as well as what causes the wind for young readers.

Benduhn, T. 2009. *Energy today: Wind power*. Pleasantville, NY: Weekly Reader Publishing. ISBN: 978-1-4339-0434-9

This text describes what wind is and how wind power can be used.

Cobb, V. 2003. *I face the wind*. New York: Harper Collins Publishers. ISBN: 978-0-688-17840-6

Students can explore the actions of wind power and characteristics of wind through simple activities.

Hutchins, P. 1993. *The wind blew*. New York: Scholastic. ISBN: 0-590-46632-1

A series of items are taken by the wind from different people in the town.

Walker, N. 2007. *Generating wind power*. New York: Crabtree Publishing. ISBN: 978-0-7787-2927-3

Information on how wind power can be generated through a variety of ways is explained for the older reader.