

### Constructing Explanations Activity



Source of image:  
bpskids.org/zoom

#### Spool Racer Data:

The following data is from the Spool Racer investigation (see the BPS Spool Racer Instruction handout for details), where the following question was being explored – *What happens when you change the number of twists (i.e. winds) in the rubber band?*

# of winds	distance traveled (cm)
0	0
10	0
20	0
30	4
40	12
50	53
60	72
70	107

#### Constructing Explanations:

**The task:** Use the above data table to construct an explanation that answers– *What happens when you change the number of twists (i.e. winds) in the rubber band? Explain why this occurs.*

- \*Note: Remember that an explanation should include a CLAIM (a clear answer to the question being asked), EVIDENCE (data from the investigation that supports the claim being made) and REASONING (an explanation of why the evidence supports the claim, which often includes scientific principles)

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