The Booklist Project

Focus: Themed Science Topic
Booklist - Balance and Motion
(K-2)
Developed by: Lynn Lotierzo
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This book provides a simple understanding of balances and how they are used to measure and compare weights. Clear photographs accompany the words. Each book in the science series explains the use of a different science tool commonly used in the classroom. Topics include: eyedropper, compass, magnifying glass, microscope, scale.

**Reading Level:** 1-2  
**Interest Level:** Pre K-1  
**WIDA Level:** Expanding  
**Guided Reading Level:** K  
**Language:** English

**Teacher Resources:**  
All Minds of Motion/Todo tipo de movimiento
by Jennifer Waters


This book, available in both English and Spanish, describes motion all around us. It includes nonfiction text features like a table of contents and an index to support student understanding. Both text features are useful for English Language Learners as well. This book can be used as an introductory text to a unit of study about balance and motion.

Reading Level: K-1
Interest Level: Pre K-2
WIDA Level: Expanding
Guided Reading Level: L
Lexile Level: NC 530L
Early Intervention Level: 21
Languages: English and Spanish.

Teacher Resources:

*Back and Forth* can be used to introduce students to examples of back and forth movements. Pictures match the words on each page and show different ways objects move in a back and forth motion. Examples include waves on the beach and a pendulum on a clock.

**Reading Level:** K-1  
**Interest Level:** Pre K-2  
**WIDA Level:** Developing  
**Guided Reading Level:** E  
**Lexile Level:** 290L  
**Early Intervention Level:** 7  
**Language:** English

**Teacher Resources:**  
[http://www.sciencedkids.co.nz/gamesactivities/forcesinaction.html](http://www.sciencedkids.co.nz/gamesactivities/forcesinaction.html)
Push and Pull
by Hollie J. Endres


This book describes how different objects can be moved by pushing or pulling them. Set up as a series of questions and answers, Push and Pull gives examples of different things that require a push or a pull to be moved. The heavy use of sight words and repetitive language is beneficial for ELLs.

Reading Level: K-1
Interest Level: Pre K-2
WIDA Level: Developing
Guided Reading Level: G
Lexile Level: 250L
Early Intervention Level: 12
Language: English

Teacher Resources:
http://www.kathimitchell.com/balance.html
This is a classic children’s book. It is the story of a peddler whose caps get stolen by monkeys while the peddler takes a nap under a tree. Students can be read this story aloud or can listen to the book on CD. The stacking of the caps can be used to support an understanding of balance.

**Reading Level:** 2-3  
**Interest Level:** K-2  
**WIDA Level:** Expanding  
**Guided Reading Level:** K  
**Lexile Level:** 600L  
**Accelerated Reader Level:** 3.1  
**Reading Recovery Level:** 20  
**Languages:** English and Spanish  

*Also available on CD and as a big book.*

**Teacher Resources:**  
Pushes and Pulls
by Helen Gregory


Pushes and Pulls is a science reader that teaches how forces make things move. The words and illustrations demonstrate how pushing different objects makes them go farther away, while pulling things brings them closer. Several pages use similar sight words. The repetitive language will be useful to English Language Learners.

Reading Level: Pre K-1
Interest Level: Pre K-1
WIDA Level: Developing
Guided Reading Level: H
Lexile Level: 360L
Early Intervention Level: 14
Language: English

Teacher Resources:
http://www.brainpopjr.com/science/forces/pushesandpulls/preview.weml

http://www.bbc.co.uk/schools/scienceclips/ages/5_6/pushes_pulls.shtml
Up and Down on the Merry-Go-Round
by Bill Martin Jr.


Meant to be read as a read aloud, this rhyming story describes the movement of a typical carousel. The children in the story choose a place to ride on the merry-go-round. The rich illustrations enhance this fiction story that can be used to support a science unit on balance and motion. Bill Martin Jr. is known for his use of rhyme and rhythm. His use of simple rhyme in this story will help ELLs practice the natural cadence of English.

Reading Level: K-2
Interest Level: Pre K-2
WIDA Level: Expanding
Guided Reading Level:
Lexile Level: 910L
Language: English
This book tells the story of the Beasties who head to the local fair and engage in a family game of tug of war. It’s the bigger Beasties versus the smaller Beasties in this story about size and balance. This fiction story can be used in the classroom to reinforce an understanding of balance. A word list and some word activities are included in the book.

**Reading Level:** 1  
**Interest Level:** K-2  
**WIDA Level:** Developing  
**Guided Reading Level:** G  
**Lexile Level:** 290L  
**Language:** English
Balancing Act
by Ellen Stoll Walsh


This simple book tells a tale of two mice who are resting on the teeter-totter they made. When their animal friends come along, the teeter-totter becomes unbalanced. A message of friendship is conveyed but the balancing of the teeter-totter can lead to a great classroom discussion about size and balance. The clear illustrations are particularly helpful for ELLs.

Reading Level: 1
Interest Level: Pre-K-2
WIDA Level: Entering/Developing
Guided Reading Level:
Lexile Level: 110L
Language: English
Also available as an e-book

Teacher Resources:
http://www.teachpreschool.org/2013/04/exploringbalanceinpreschool/
This book explains the role of gravity in balance and motion. It includes a table of contents and an index to support student understanding. Photographs accompany the text. These will help English Language Learners understand new vocabulary like weight, balance, pull, push, fuel. This book will encourage students to discuss balance and motion as they relate to everyday activities like sliding at recess, pouring juice into a glass, and riding a bike.

**Reading Level:** 1-2  
**Interest Level:** K-2  
**WIDA Level:** Expanding  
**Guided Reading Level:** J  
**Early Intervention Level:** 17  
**Language:** English

**Teacher Resources:**  
[http://www.bbc.co.uk/schools/scienceclips/ages/6_7/forces_movement.shtml](http://www.bbc.co.uk/schools/scienceclips/ages/6_7/forces_movement.shtml)
And Everyone Shouted, “Pull!”: A First Look at Forces and Motion
by Claire Llewellyn


This book tells the story of a group of animals who work together to drag a cart full of vegetables to a market. The language is simple and basic vocabulary related to force and motion is used. Students will gain an early understanding of force, wheels, push, and pull. A glossary and index are included in this book. The glossary might be particularly helpful to ELLs as they begin to define new vocabulary related to force and motion.

Reading Level: Pre K-2
Interest Level: Pre K-2
WIDA Level: Developing
Guided Reading Level: H
Language: English

Teacher Resources:
http://www.uen.org/Lessonplan/preview.cgi?LPid=28150
The Booklist Project
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