

Unit 4 - Pushes and Pulls Pacing Guide

Note: The Mystery Science Lessons should take you approximately 12 days to complete. Please use the additional activities listed and either insert them between Mystery Science lessons or add them after the Mystery Science lessons to extend the unit. You are also free to find your own additional resources.

Day	Lesson	Time	Additional Activities
1	Mystery Science Force Olympics Lesson 1 Day 1	Exploration- 15 minutes Class discussion/Anchor Chart- 15 minutes	Huge Machines-Epic Book Everyone Shouted Pull Read Aloud (youtube)
2	Mystery Science Force Olympics Lesson 1 Day 2	Hands-on Activity- 15 minutes Class Discussion/Wrap-up- 15 minutes	Video Extensions Mystery Science Drawing prompt-Mystery Science extension
3	Mystery Science Force Olympics Lesson 2 Day 1	Read-Along- 25 minutes Class discussion/Anchor Chart- 5 minutes	Push and Pull with Big Machines- Epic Book
4	Mystery Science Force Olympics Lesson 2 Day 2	Hands-on Activity- 10 minutes Wrap-up- 10 minutes	Big Machines Video (youtube) Lesson Assessment
5	Mystery Science Force Olympics Lesson 3 Day 1	Exploration- 10 minutes Additional Activity/Class	Pushes, Pulls, and Motion

		discussion/Anchor chart- 20 minutes	BrainPop Jr. Simple Machines Forces and Motion Unit
6	Mystery Science Force Olympics Lesson 3 Day 2	Hands-on Activity- 20 minutes Wrap-up 10 minutes	Demolition Read Aloud (youtube) Video extensions-Mystery Science Lesson Assessment
7	Mystery Science Force Olympics Lesson 4 Day 1	Read- Along- 25 minutes Class discussion- 5 minutes	BrainPop Jr. Pushes and Pulls Forces and Motion Unit Motion Design Solution
8	Mystery Science Force Olympics Lesson 4 Day 2	Hands-on Activity- 20 minutes Wrap-up 10 minutes	Play Balloon Bounce Extension Activity Lesson Assessment
9	Mystery Science Force Olympics Lesson 5 Day 1	Exploration-17 minutes Class Discussion/Anchor Chart- 13 minutes	Pushing and Pulling- Epic Book Changing Direction- Epic Book Forces and Motion Unit Ramps 2: Ramp Builder
10	Mystery Science Force Olympics Lesson 5 Day 2	Hands-on Activity- 20 minutes Wrap-up 10 minutes	Video Extensions-Mystery Science

			Push-Pull Changing Direction Marble Roll Roller Coaster Lesson Assessment
11	Mystery Science Force Olympics Lesson 6 Day 1	Read-Along- 20 minutes Class discussion/Anchor Chart- 10 minutes	Create an Avalanche Make an invention Box
12	Mystery Science Force Olympics Lesson 6 Day 2	Hands-on Activity- 25 minutes Wrap-up- 5 minutes	Invent a back scratcher Forces and Motion Unit How to be an inventor! -Kid President (youtube) Be an engineer! (youtube)