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Works beautifully along with the interactive site listed above in number 4.source: tekyteach.blogspot.com7. Incline Marble Races - To create some basic concepts about the way incline effects the way things move, try creating some marble races. Great for elementary grades.And I recently came across this new books that I had to add to the list!20. 8 teaching resources for those 'aha' moments A teaching presentation investigating the force of friction. 6 pages Grades: K - 1 Engage your students' counting skills with our search and find Valentine's Day activity. 6 pages Years: 2 - 4 A group of worksheets to use when revising common forces. 2 pages Grades: 4 - 5 Use knowledge of 2-D shapes and right angles to solve the mystery in this fun, logic-based activity. Great for a smartboard whole group activity too.source:mrsmyerskindergarten.blogspot.com5. 1 page Grades: 3 - 6 Observe MLK Day by encouraging students to think about their "dream" for the future by writing it as a speech. Can you see students getting into the force and motion of this?source: eia.gov9. 4 pages Year: 2 A three-page assessment for the lower grades, covering common push and pull forces. Use the same experiment set up to change the variable of ramp texture to experiment with friction.2. Elementary Exploration: Friction - Using rulers, a wood block and a few materials, you can create a similar experiment to above to see how students can compare what they've learned about friction using a car and texture and apply it to this situation. Angle Height and Track Texture - Use basic classroom materials like books to experiment on angle height (incline) to work on developing predictions. It covers inertia, gravity and friction. 3 pages Grades: K - 6 Get ready for Halloween with this popular pumpkin craft featuring a customizable Jack-o-lantern with funky glasses. 1 page Grades: 2 - 6 Celebrate the legacy of Martin Luther King, Jr. with this 'I Have a Dream' craft. 3 pages Grades: K - 5 Encourage students to set and write their intentions for the year ahead. Forces Make Things Move - This book illustrates examples of the forces all around students during a normal day. And Everyone Shouted, "Pull" - A fun way to bring in a fiction piece into exploring push and pull, join with these farm animals as they venture to market. {Free download}source:mrsmathes.blogspot.com3. 4 pages Year: 2 An assessment task in which students will demonstrate an understanding of push and pull forces. {Free download}source: sparklebox.co.uk13. Using rulers will allow students to share accurate measurements for their incline. Is it too corny to say something like 'May the force be with you' as you teach this concept? 2 pages Grades: 5 - 6 A worksheet to get students excited about school. 2 pages Grades: PK - 1 Familiarize students with finding the 5 elements of plot in a literary text. It helps give names to those forces and are easy to act out within the classroom.18. Begin by exploring a see saw and then create your own levers with pencils, pennies tape and a ruler. 3 pages Grades: 3 - 6 Use this set of Black History Month text and image pocket chart cards for reading and history lessons. 3 pages Grades: K - 6 Practice penmanship by tracing and writing uppercase and lowercase letters. What is Friction - This song will remind you of what you listened to when you were in school, but it does a good job of helping lay down some basic examples of friction and vocabulary.Books to Teach Force and MotionThese are affiliate links to helpful books you'll probably want to have on hand!17. 1 page Grades: 2 - 5 Graph the likelihood that Punxsutawney Phil will see his shadow this year by creating a data chart on our Groundhog Day prediction worksheet. 2 pages Grades: PK - 5 A fun search and find for the beginning of the school year. Leprechaun Balloon Races - This would be a fun experiment when trying to explore the friction of a different surface - string and explore the friction of air. Forces and Motion: From High-speed Jets to Wind-up Toys - This book is better suited for third grade and up, but it is a great resource with 20 activities that you can guide students through with ease to develop some basic and solid concepts.19. You'll love these 24 Elementary Force and Motion Experiments & Activities.Need more hands-on science ideas? Allow students to experiment and record their findings using simple materials and varying heights using objects like a bookshelf.4. Forces in Action: Play - This interactive website will recreate a similar set of experiments virtually and allow students to adjust the incline and add parachutes to add drag. 1 page Grades: K - 1 A mini classroom mailbox template to use in a variety of ways. 1 page Grades: PK - 2 A poem that explores the feelings students may experience when heading back to school after an extended break. 2 pages Grades: 2 - 6 Design a social media profile for civil rights activist Martin Luther King, Jr. in this creative writing activity. This collection of force and motion ideas should help you cover the topics of texture, gravity, incline and some simple machines.If you're looking for fun ideas, then this is the place to start!Ideas to Experiment with Force and Motionsource: librarianismchronicles.blogspot.com1. Force and Motion (Pre/Post)Assessment - Here is a one page activity that you could use in order to see where your students are at or to give at the end of a unit to cover vocabulary and basic concepts of force and motion. 10 pages Year: 2 A science experiment which investigates the relationship between friction and the properties of various materials. Force and Motion Posters - You'll find word cards that will be great for a word wall, a display banner, a movement word reference mat and 6 types of forces posters. 3 pages Grades: 3 - 6 A set of letters and numbers to use when decorating your classroom. A Slide is a Simple Machine - What school playground is complete without a slide? Mouse Trap Trials - Here is a great culminating activity for students to use when wrapping up a force and motion unit. 8 pages Year: 2 A teaching presentation comparing different forces involved in play. This is a more exploratory way of approaching it, but a good introduction to understanding more about the way things move on an incline.6. Forces in Action: Lesson Plan - This lesson hits four objectives that includes understanding that friction (including air resistance) is a force that slows moving objects. Kids will understand why we need seat belts - because of inertia!I hope you can draw inspiration or use some of these ideas the next time you are teaching force and motion. Car Ramps - Here is an example of creating experiments that face multiple problems and allowing students time to come up with solutions. 1 page Grades: PK - 6 Review our profile on Congresswoman and first Black presidential candidate Shirley Chisholm, and answer questions to reinforce understanding. 2 pages Grades: 3 - 5 A poster to help students work through worrying thoughts. They can be used to structure writing projects and help in problem solving, decision making, studying, planning research, and brainstorming. 3 pages Grades: 4 - 6 Develop a love of addition facts with this multiplayer Valentine's Day board game. 1 page Grades: 1 - 2 Identify the words and works of Martin Luther King Jr. in our MLK Word Search. Break your science class outdoors to discuss and explore how a slide works like a simple machine. What types of force can a balloon which also has air create? Simple Machines: Lever - Here's another idea that break out onto the playground to explore the concept of using simple machines to explore force and motion. You'll also be able to practice showing how forces act and students can create their own illustration examples. 2 pages Grades: K - 6 A fun craft activity to do with your students to create a funky turkey. This song won't have them rappin' but it will help explore the concept of gravity and help embed some vocabulary just from listening once.16. The Gravity Song - Who doesn't love using a song to help teach a concept. Printable Graphic Organizers Select a blank graphic organizer from the following categories depending on your curriculum needs. Have students create their own mouse trap! Using household "junk" see what types of fast moving creations can they create using what they've learned about motion, force and friction. {Free download}Songs to Teach Force and Motion15. 1 page Grades: 4 - 6 Identify rhyming words through images with this set of 5 worksheets. 5 pages Grades: PK - 1 A find and color worksheet to practice identifying prime and composite numbers up to 100. 1 page Grades: PK - 6 A child-friendly version of the popular getting-to-know-you game, 'Never Have I Ever', Check out these 8 Fast, Free Water Cycle Resources and Activities.More Science 1 page Year: 2 60 mins A 60 minute lesson in which students will explore the force of friction. 4 pages Grades: K - 6 Tap dance your way into your students' seasonally-inspired creative sides with our Funky Penguin craft page. Motion: Push and Pull, Fast and Slow - This books uses everyday occurrences to explain what motion is to kids. What concepts can students solidify using the included table based on their virtual experiments? This will help explore the concepts that incline planes make it easier to lift things and that machines make work easier. An Exciting New Chapter for HMM: A Message to Our Customers Help your students classify ideas and communicate more effectively with these free graphic organizer templates, available for download. 1 page Year: 2 60 mins 32 of 324 teaching resources for those 'aha' moments Create a thank you card full of sweet notes for someone special with this 2-in-1 craft activity. Forces in Action Worksheet - Here is a worksheet to practice naming forces like gravity, lift, pushing and pulling. {Free download}10. {Free download}Free Resources for Force and Motionsource: 3teacherchicks.blogspot.com11. {Free downloads}source: ideasybjivey.blogspot.com12. I've got your back. {Free downloads}14. Marshmallow Shooter - When you're discussing push and pull as forces and including measurement you'll want to include marshmallow shooters in your lesson plans. 1 page Grades: 1 - 3 Prepare for your diversity-themed lessons and more with 3 versatile black and white craft templates. {ha!}Need more force and motion materials? You'll end up including words like force, distance and finding ways to measure.source: housingaforest.com8. 1 page Year: 2 60 mins A 60 minute lesson in which students will revise the forces covered in the unit. 2 pages Grades: 3 - 5 A fun, logic puzzle activity where students read clues to solve a mystery. Sequence of Events Step-by-Step ChartSequence ChartFlow ChartTime-Order ChartTimelineMain Topic and Key Details Compare/Contrast Be the first to read the latest from Shaped. 1 page Grades: 1 - 5 A worksheet to develop students' understanding of experiment design. 1 page Grades: PK - 2 Expand your students' language skills through Valentine's Day vocabulary. 1 page Grades: K - 6 Keep students' minds and hands busy during your mid-school-year lull with four fun activities on one handy worksheet! 2 pages Grades: 1 - 5 A fun winter craft activity for kids using a snowman template with accessories. 18 pages Grades: PK - 6 Teach force and motion with style by using experiments, free printables and resources that will help bring science concepts alive.

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