

Resources for Gifted/SA Students

4th and 5th Grade

May 4 - 15

Free Subscription to Time for Kids: (Parents must complete subscription online)

<https://time.com/tfk-free/> Available for K-8th grade

1. Students can read articles
2. A link is provided for families to teaching tools, worksheets and quizzes at timeforkids.com

Mystery Science Video – Watch and discuss with your parents/siblings

1. Link for March 15, 2020 video: <https://mysteryscience.com/mini-lessons/rainbows?code=6db7dd5a9536e6d57363638d5ebd6d60>
2. Link for March 22, 2020 video: <https://mysteryscience.com/mini-lessons/germs-sanitizer?code=961c453291a161e47fe30873eaf8dc71>
3. Link for March 29, 2020 video: <https://mysteryscience.com/mini-lessons/april-fools?code=df96684e159ad920c0070f4a427144f6>
4. Link for April 19, 2020 video: <https://mysteryscience.com/mini-lessons/old-earth?loc=mini-lesson-button#slide-id-8308>

Mystery Science Free Lessons for K-5th Grade: (Spanish version available also)

<https://mysteryscience.com/school-closure-planning>

Tangrams – Free Tangrams to print and cut out with free tangram puzzles:

(Public domain site - does have ads, parents should monitor)

<https://www.tangram-channel.com/crafts-activities/tangrams-to-cut-out/>

Brain Teasers, Puzzles, Tangrams, Logic Activities – Free activities **(Public domain site - does have ads, parents should monitor)**

<https://www.brainzilla.com>

Skateboard Science related activity:

Phet Simulations (University of Colorado) –

<https://phet.colorado.edu/en/simulation/energy-skate-park-basics>

Explore the simulation (Use Normal and Slow Motion for your observations)

Intro Simulation

1. Watch the potential/kinetic energy change using the pie chart, bar graph, grid and speed
2. Change the speed (Normal to Slow Motion) and observe the movements
3. Change the mass and observe what happens
4. Discuss your observations with a parent or sibling

Friction Simulation

1. Choose a course for the skater (try each of the 3 courses)
2. Change the mass and friction settings for each course and observe what happens
3. Discuss your observations with a parent or sibling

Playground Simulation

1. Create a course with a loop and adjust the settings until the skater can complete the course
2. Create your own course
3. Demonstrate the course you created to a parent or sibling
 1. Discuss any problems your skater had in completing the course
 2. Discuss the effect of small/large mass on the skater
 3. Discuss the effect of none/lots of friction on the skater