

References

**Statewide Transportation, Distribution, and Logistics
Curriculum:
Contextualized Science Module**

References

Outcome # 1

Website on Biomes/ Terrestrial Ecosystems:

<http://apps.cmsfq.edu.ec/biologyexploringlife/text/chapter34/concept34.3.html>

Website on Biomes/Aquatic Ecosystems:

<http://apps.cmsfq.edu.ec/biologyexploringlife/text/chapter34/concept34.4.html>

Website with Biome worksheets:

[http://worksheetplace.com/index.php?function=DisplayCategory&links=2&id=454
&link1=241&link2=454](http://worksheetplace.com/index.php?function=DisplayCategory&links=2&id=454&link1=241&link2=454)

Video explaining Earth's Biomes:

<http://www.youtube.com/watch?v=v7cZ3b6PH2s>

Outcome # 2

Website with worksheet detailing the layers of the atmosphere:

<http://www.learn4yourlife.com/layers-of-the-atmosphere.html>

Website with instructional worksheets about weather:

<http://www.learn4yourlife.com/weather-unit-study.html>

Website detailing how to read a weather map:

<http://www.wikihow.com/Read-a-Weather-Map>

Website on Weather 101: Layers of the atmosphere:

http://www.illinoishomepage.net/story/d/story/weather-101-layers-of-the-atmosphere/14683/c5aVYxH4yEmAosw_j_lgwg

Website discussing how to understand weather radar:

<http://usatoday30.usatoday.com/weather/wearadar.htm>

Outcome # 3

Website discussing Newton's Laws:

<http://www.physicsclassroom.com/curriculum/newtlaws>

Website discussing Newton's Laws:

<http://csep10.phys.utk.edu/astr161/lect/history/newton3laws.html>

Website illustrating Newton's Laws:

<http://hyperphysics.phy-astr.gsu.edu/hbase/newt.html>

Video explaining Newton's First Law:

<http://www.youtube.com/watch?v=CQYELiTTUs8>

Video explaining of Newton's Second Law:

<http://www.youtube.com/watch?v=3FQ58IVtbCg>

Video explaining Newton's Third Law:

<http://www.youtube.com/watch?v=By-ggTfeuJU>

Video explaining Newton's Law of Inertia:

<http://www.youtube.com/watch?v=8zsE3mpZ6Hw>

Website providing the image of a shock:

http://www.carbibles.com/suspension_bible_pg4.html

Outcome # 4

Website discussing friction:

http://www.studyphysics.ca/newnotes/20/unit01_kinematicsdynamics/chp05_forces/lesson20.htm

Website on static and kinetic friction:

http://ffden-2.phys.uaf.edu/211_fall2002.web.dir/ben_townsend/staticandkineticfriction.htm

Website on friction and automobile tires:

<http://hyperphysics.phy-astr.gsu.edu/hbase/mechanics/frictire.html#c1>

Video discussing static and kinetic friction:

<http://www.youtube.com/watch?v=CTLXubXOTUQ>

Video discussing penny tire tread test:
<http://www.youtube.com/watch?v=hFuUE567mTU>

Video discussing driving in winter weather:
<http://www.youtube.com/watch?v=W8G66WM2zmA>

Website providing images for friction and tire torque:
<http://curriculum.vexrobotics.com/curriculum/drivetrain-design/friction-and-traction>

Website providing image for types of tires:
www.racegoodyear.com

Outcome # 5

Video explaining kinetic and potential energy:
<http://www.youtube.com/watch?v=Ehx1P4adv6l>

Website providing kinetic and potential energy Slinky[®] experiment:
http://fc.codmanacademy.org/branches/physicsofdriving1/index.php?module=pagemaster&PAGE_user_op=view_page&PAGE_id=6&MMN_position=6:6

Outcome # 6

Website providing classroom activities for calculating speed, velocity, and acceleration:
<http://www.physicsclassroom.com/class/1DKin/Lesson-1/Speed-and-Velocity>

Website on speed, velocity, and acceleration:
<http://www2.franciscan.edu/academic/mathsci/mathscienceintegration/MathScienceIntegration-827.htm>

Website on calculating forces in motion:
<http://www2.franciscan.edu/academic/mathsci/mathscienceintegration/MathScienceIntegration-836.htm>

Outcome # 7

Website on the states of matter:
<http://www.chem.purdue.edu/gchelp/atoms/states.html>

Website on plasma:

<http://www.fusionfuture.org/why-fusion-energy/what-is-plasma/>

Video on the states of matter:

<http://www.youtube.com/watch?v=vDZhUkp30tE>

Outcome # 8

Environmental Protection Agency website:

<http://www.epa.gov/otaq/fuels/alternative-renewablefuels/>

Website on non-renewable resources:

<http://www.youtube.com/watch?v=jSTGDBkMeRY>

Website with classroom activities about renewable resources:

www.stopwaste.org/docs/schools/Lesson01.pdf

Video explaining biodiesel:

<http://www.youtube.com/watch?v=HCBa7te1thk>

Outcome # 9

Website with calculating work activities:

<http://www.physicsclassroom.com/class/energy/Lesson-1/Calculating-the-Amount-of-Work-Done-by-Forces>

Video on simple machines:

<http://www.youtube.com/watch?v=okYcBt1aU3Y>

Website on simple machines:

http://www.ehow.com/list_7221376_examples-machines-_amp_-complex-machines.html

Website on alternators:

<http://www.howitworksdaily.com/transport/automotive-alternators/>

Website on brakes:

<http://auto.howstuffworks.com/auto-parts/brakes/brake-types/brake.htm>

Video discussing drum brakes vs. disc brakes:

<http://www.youtube.com/watch?v=4Ts5hQFi9Hw>