**TEACHENGINEERING.ORG**

Lesson Plans and Activities to Support Gr. 6-8 NB Renewed Curricula

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| **GRADE** | **CURRICULUM TITLE** | **CORE IDEAS** | **POSSIBLE RESOURCES** |
| 6 | Wayfinding: Making Sense of your World | Behaviour & Properties of Light | [Sound & Light](https://www.teachengineering.org/curricularunits/view/cub_soundandlight_curricularunit)  [The Energy of Light](https://www.teachengineering.org/lessons/view/cub_energy2_lesson03)  [Learning Light’s Properties](https://www.teachengineering.org/lessons/view/van_troll_lesson02)  [Light Properties](https://www.teachengineering.org/lessons/view/clem_waves_lesson03) |
| Biological Forms & Processes | [How do Human Sensors Work?](https://www.teachengineering.org/lessons/view/umo_robotsandhumans_less4) (Omit LEGO portion)  [Understanding the Structure of the Eye](https://www.teachengineering.org/lessons/view/clem_waves_lesson05)  [Can You Taste It?](https://www.teachengineering.org/lessons/view/duk_taste_mary_less)  [A Tasty Experiment](https://www.teachengineering.org/activities/view/duk_taste_mary_act)  [Hearing: How Do Our Ears Work?](https://www.teachengineering.org/activities/view/umo_ourbodies_lesson02_activity3) (Omit LEGO portion)  [Sound from Left or Right?](https://www.teachengineering.org/activities/view/umo_ourbodies_lesson02_activity4)  [Sensory Toys Make Sense!](https://www.teachengineering.org/activities/view/wpi_sensory_toys_activity1)  [Nerve Racking](https://www.teachengineering.org/lessons/view/cub_human_lesson06) |
| Technological Applications | [My Mechanical Ear Can Hear!](https://www.teachengineering.org/lessons/view/cub_biomed_lesson06) |
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| 7 | Earth Surface Processes | Matter | [Mixtures & Solutions](https://www.teachengineering.org/curricularunits/view/cub_mix_curricularunit)  [States of Matter](https://www.teachengineering.org/activities/view/nyu_statesofmatter_activity1) (Sub LEGO with other Temp sensor)  [Energy Forms, States and Conversions](https://www.teachengineering.org/lessons/view/cla_lesson4_forms_states_conversions)  [What is Heat?](https://www.teachengineering.org/lessons/view/ucd_heat_lesson01)  [Conduction, Convection and Radiation](https://www.teachengineering.org/curricularunits/view/duk_heattransfer_smary_unit)  [Energy-Efficient Housing](https://www.teachengineering.org/curricularunits/view/cub_housing_curricularunit) (~ Gr 9)  [What’s Hot and What’s Not?](https://www.teachengineering.org/lessons/view/duk_heattransfer_smary_less) |
| Weather Systems & Climate | [Weather and Atmosphere](https://www.teachengineering.org/curricularunits/view/cub_weather_curricularunit)  [Water Cycle](https://www.teachengineering.org/curricularunits/view/cub_water_cycle_unit) |
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| 8 | Beyond Earth: Human Presences in the Solar System | Motion & Stability | [What are Newton’s Laws?](https://www.teachengineering.org/curricularunits/view/ucd_newton_unit)  [Motion: Newton’s Laws](https://www.teachengineering.org/curricularunits/view/cub-motion-newton-laws-unit)  [Forces: Friction](https://www.teachengineering.org/curricularunits/view/cub-forces-friction-unit)  [The Force of Friction](https://www.teachengineering.org/curricularunits/view/duk_friction_smary_unit)  [Forces: Weight & Gravity](https://www.teachengineering.org/curricularunits/view/cub-forces-weight-gravity-unit) |
| Laws of Motion |
| Space Exploration | [Solar System!](https://www.teachengineering.org/curricularunits/view/cub_solar_curricularunit) (~Gr.3-5)  [Space](https://www.teachengineering.org/curricularunits/view/cub_space8_curricularunit)  [Mission to Mars](https://www.teachengineering.org/curricularunits/view/cub_mars_curricularunit)  [May the Force Be with You: Lift](https://www.teachengineering.org/lessons/view/cub_airplanes_lesson02)  [Rockets](https://www.teachengineering.org/curricularunits/view/cub_rockets_curricularunit) (~Gr.3-5)  [Fighting Back](https://www.teachengineering.org/lessons/view/cub_human_lesson10)!  [Nerve Racking](https://www.teachengineering.org/lessons/view/cub_human_lesson06)  [Engineering and the Human Body](https://www.teachengineering.org/curricularunits/view/cub_human_curricularunit) |
| Technological Applications | [Navigating at the Speed of Satellites](https://www.teachengineering.org/lessons/view/cub_navigation_lesson08)  [Not so Lost in Space](https://www.teachengineering.org/lessons/view/cub_navigation_lesson10) |