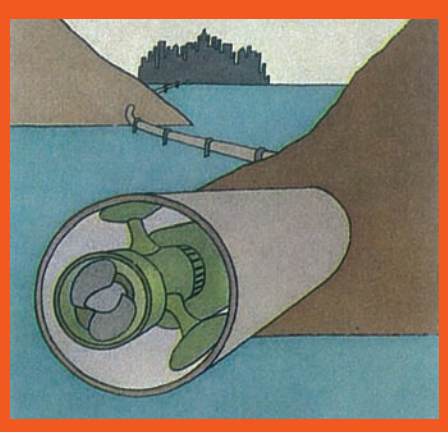
*How **far**, how **high**, how **long**, how **fast** can you...**think**?*

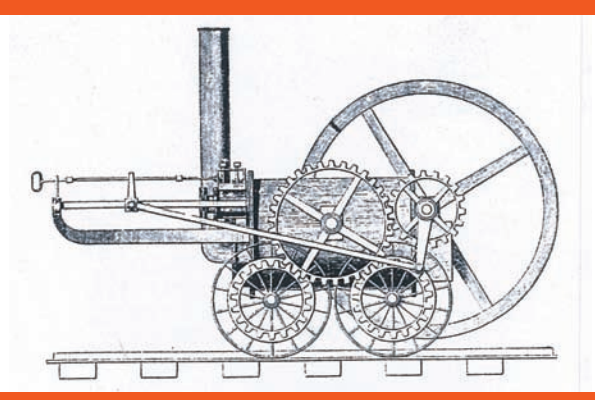
INNOVATE, CREATE, AND MAKE WORKSHOP

Build a castle, fort or bridge. Make something that rolls fast, slow or far.
Engineer a system to channel bouncy balls. Free for all ages.

Visit the "Make-a-Plate" table, a Middle School fund raising project.



REPLACING RAILROAD TRACKS Like some huge pipeline, the 15-foot-diameter tubes of the flying train, seen in this cutaway sketch, could be tunneled through mountains and carried over rivers—or, to avoid curves and gain stability, laid about 500 feet underground.



A PIONEER LOCOMOTIVE, designed by Richard Trevithick, builder of the first rail engine, was powered by high-pressure steam. The steam actuated a piston that pushed the landing connecting rod (at center) back and forth to turn the geared wheels. The momentum of the large flywheel (right), which was attached to the piston through a connecting rod on the other side, kept the piston moving.

HISTORY ON A SCRATCH PAD: This seemingly casual and meaningless jumble of jottings is a major document of science because of the "P-violated" notation (right center). The Nobel Prize-winning work of physicists Tsung Dao Lee and Chen Ning Yang, it upset the law of conservation of parity (P), which had assumed the symmetry of the universe, and suggested instead that space has a kind of twist.

Saturday, April 10, 1:00-3:00 pm

Crossroads Academy, 95 Dartmouth College Highway, Lyme NH

NEW FAMILIES, CURRENT FAMILIES AND FRIENDS ARE ALL ENCOURAGED TO COME AND PARTICIPATE

New families and friends: Come for an information session at NOON to learn more about Crossroads Academy. Includes tours of the buildings, answers to your questions and pizza for your family. Stay to enjoy the workshop. Contact Darlene Gautreau for details: 603-795-3111.

All are welcome to experience the challenge and discover the difference.