

#### Science Basics:

Simple machines, especially pulley systems

Acceleration of gravity with rolling items

Complex machines: peeler and cart (relate to earlier “Galileo” experiment)

Force and motion experiences/inertia as applied

Motion of joints

Human body function in motion/ handicapped aids

Problem-solving model

#### Historical Links:

Orphan Train as a solution to child homelessness in 1800’s

Treatment of handicapped in time period

Relative prices for items/services in 1800s to current time

Everyday life in small town America compared to current time

Long-term effects of Civil War on wounded and technology

Changing economy from hands-on manual labor to machinery-assisted

Role of children as workers compared to present

Supervision of children compared to present

Importance of school then and now