

Unit 7: Circular and Satellite Motion

Think Sheets

Velocity, Acceleration, and Net Force (2 pages)

Circular Motion and Inertia (2 pages)

Force Analysis for Circular Motion (2 pages)

Universal Gravitation (2 pages)

Newton's Mountain and Satellites (2 pages)

Kepler's Laws of Planetary Motion (2 pages)

Weightlessness (2 pages)

(Each Think Sheet has a corresponding answer key)

Student Lab Sheets

Making the Turn

Whirled Peas

(Each Student Lab Sheet has a corresponding Teachers Guide with answers)

BONUS:

Slide Deck

BarrelRideAnswers.docx (Answer Key)

BarrelRide.docx (Simulation Activity)

CircMotionMisconceptionsKEY.docx (Answer Key)

CircMotionMisconceptions.docx (Think Sheet)

RollerCoasterLoopKEY.docx (Answer Key)

RollerCoasterLoop.docx (Think Sheet)

RollerCoasterDesign.docx (Desmos Activity)