

Project:

Physics NYA

Layout:

Physics NYA

Scavenger Hunt

Motion Diagrams

Add Workflow:

Activity

Add

Outcomes:

Competency OOUR

Create New

Outcome View (Course)

	Assignments/Exercises	Tests/Projects	Exams
Competency OOUR			
1. Describe the translational and rotational motion of objects			Final Exam
1. Learn to construct and analyze motion diagrams	Motion Graphs	Progress Test 1	Final Exam
2. Learn to create and analyze motion graphs	Motion Graphs	Progress Test 1	Final Exam
3. Use the basic equations of kinematics in one dimension	Multiple (2)	Progress Test 1	Final Exam
4. Represent kinematic variables as vectors, and apply basic vector addition	Kinematic Case Study	Progress Test 1	Final Exam
5. Extend kinematics to two or more dimensions		Progress Test 1	Final Exam
6. Apply kinematics for circular (rotational) motion in terms of angular variables	Circular Motion Lab	Progress Test 1	Final Exam
7. Understand the difference between tangential, radial, and angular acceleration			Final Exam
8. Apply basic transformations for frames of reference with different velocities		Progress Test 1	Final Exam
2. Apply concepts and laws of dynamics to analysis of motion of objects		Progress Test 2	Final Exam
3. Carry out calculations of work/power/energy in simple situations			Final Exam
4. Apply conservation principles of mechanics			Final Exam
5. Verify experimentally some of the laws and principles of mechanics	Multiple (6)		

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