CourseFlow

Project:

Physics NYA ✐

Layout:

- **C** Physics NYA
  - **A** Scavenger Hunt
  - **A** Motion Diagrams

Add Workflow:

Activity ⌄

Add

Outcomes:

P Competency OOUR

Create New

Outcome View (Course)

Assignments/Quizzes/Projects

Exams and Tests

⊟ **P** Competency OOUR

⊟ 1. **C** Describe the translational and rotational motion of objects

   1. **A** Learn to construct and analyze motion diagrams

   2. **A** Learn to create and analyze motion graphs

   3. **A** Use the basic equations of kinematics in one dimension

   4. **A** Represent kinematic variables as vectors, and apply basic vector addition

   5. **A** Extend kinematics to two or more dimensions

   6. **A** Apply kinematics for circular (rotational) motion in terms of angular variables

   7. **A** Understand the difference between tangential, radial, and angular acceleration

   8. **A** Apply basic transformations for frames of reference with different velocities

2. **C** Apply concepts and laws of dynamics to analysis of motion of objects

3. **C** Carry out calculations of work/power/energy in simple situations

4. **C** Apply conservation principles of mechanics

5. **C** Verify experimentally some of the laws and principles of mechanics

Motion Graphs	Progress Test 1
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Kintematic Case Study	Progress Test 1
Kinematic Case Study	Progress Test 1
	Progress Test 1
	Progress Test 1