

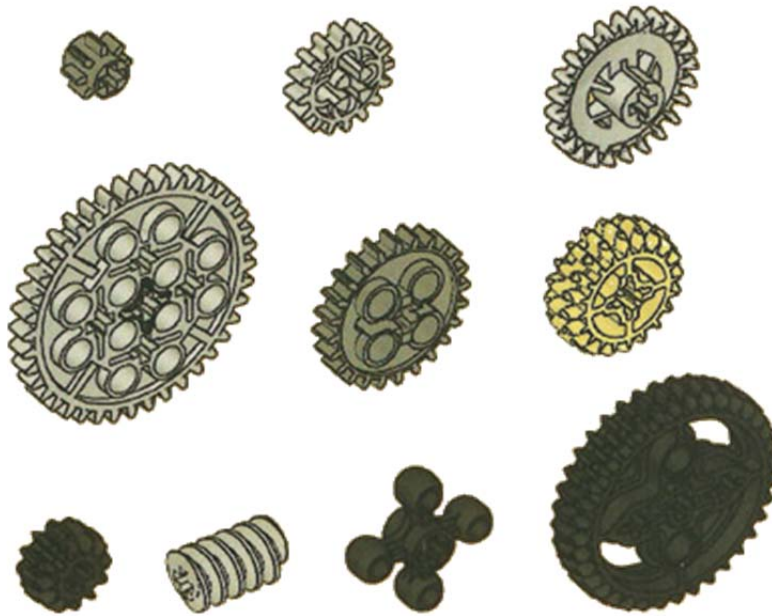
Robotics Engineering

DoDEA - Career and Technical Education

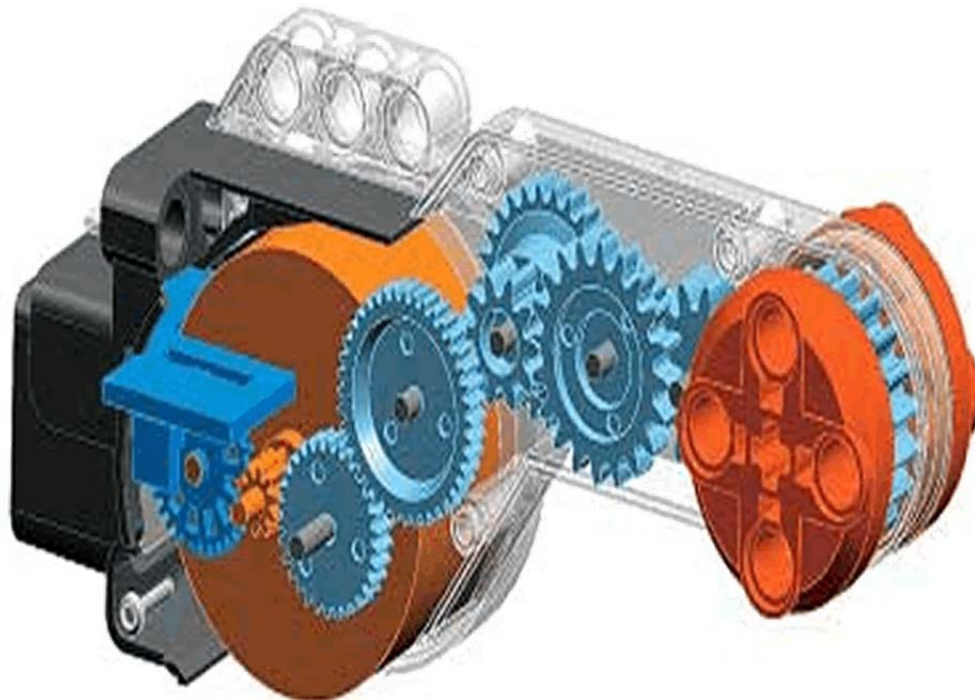
Simple and Compound Machines

LEARNING LOG

Name:	Period:	Date:
<p><i>NOTE: The Learning Log is a systematic approach to condensing and organizing your notes. As it is the <u>only item you can refer to when taking your exams</u>, you are required to complete a Learning Log for each module in this course. Before you start, fill out the heading to identify your work. The left-hand space is filled out first and contains the key words or cues that you should focus on during this topic's study. Add keywords to this section as you study. Next, write down details addressing these cues in the right hand space. This is a good place for your drawings, tables, and charts as well. After you have completed your lesson, study your notes carefully and then write a topic summary in the area at the bottom of the page. Use additional sheets if necessary.</i></p>		
Main Ideas	Details	
<p>6 Simple Machines</p> <p>Force</p> <p>Resistance</p> <p>Mechanical Advantage</p> <p>Work</p> <p>Lever Classes</p> <p>Gear Types / Teeth</p> <p>Transmission Angle</p> <p>Angular Velocity</p> <p>Lay Shaft</p> <p>Gear Ratio</p> <p>Slippage</p> <p>Linkage</p> <p>Mathematical Model</p> <p>Compound Machine</p>		
Summary:		



Identify the Gear Types and Tooth Counts



NXT Drive Motor and Gear Box – Research Gear Ratio