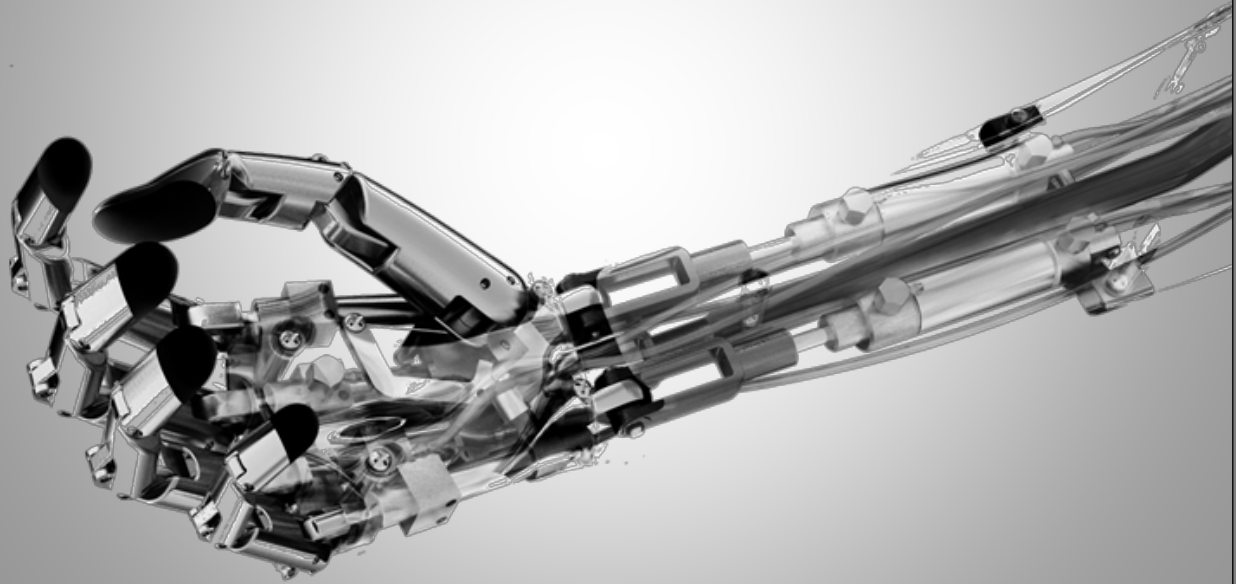


# GRADE 8 SCIENCE

## UNIT 5: HYDRAULIC SYSTEM DESIGN



## Hydraulic System Design

This is week five of our design project. The schedule for week five has you starting to plan ideas for your presentation. We will start today by quickly reviewing the criteria for this component of the project:

<p><b>PROBLEM:</b> Design a hydraulic system that can lift a 100 kg load.</p> <p><b>GOALS:</b></p> <ul style="list-style-type: none"><li>1. Design a hydraulic system that can lift a 100 kg load.</li><li>2. Design a hydraulic system that can lift a 100 kg load.</li><li>3. Design a hydraulic system that can lift a 100 kg load.</li></ul> <p><b>DESIGN CONSTRAINTS:</b></p> <ul style="list-style-type: none"><li>1. The system must be able to lift a 100 kg load.</li><li>2. The system must be able to lift a 100 kg load.</li><li>3. The system must be able to lift a 100 kg load.</li></ul> <p><b>DESIGN CRITERIA:</b></p> <ul style="list-style-type: none"><li>1. The system must be able to lift a 100 kg load.</li><li>2. The system must be able to lift a 100 kg load.</li><li>3. The system must be able to lift a 100 kg load.</li></ul>	<p><b>PROBLEM:</b> Design a hydraulic system that can lift a 100 kg load.</p> <p><b>GOALS:</b></p> <ul style="list-style-type: none"><li>1. Design a hydraulic system that can lift a 100 kg load.</li><li>2. Design a hydraulic system that can lift a 100 kg load.</li><li>3. Design a hydraulic system that can lift a 100 kg load.</li></ul> <p><b>DESIGN CONSTRAINTS:</b></p> <ul style="list-style-type: none"><li>1. The system must be able to lift a 100 kg load.</li><li>2. The system must be able to lift a 100 kg load.</li><li>3. The system must be able to lift a 100 kg load.</li></ul> <p><b>DESIGN CRITERIA:</b></p> <ul style="list-style-type: none"><li>1. The system must be able to lift a 100 kg load.</li><li>2. The system must be able to lift a 100 kg load.</li><li>3. The system must be able to lift a 100 kg load.</li></ul>	<p><b>PROBLEM:</b> Design a hydraulic system that can lift a 100 kg load.</p> <p><b>GOALS:</b></p> <ul style="list-style-type: none"><li>1. Design a hydraulic system that can lift a 100 kg load.</li><li>2. Design a hydraulic system that can lift a 100 kg load.</li><li>3. Design a hydraulic system that can lift a 100 kg load.</li></ul> <p><b>DESIGN CONSTRAINTS:</b></p> <ul style="list-style-type: none"><li>1. The system must be able to lift a 100 kg load.</li><li>2. The system must be able to lift a 100 kg load.</li><li>3. The system must be able to lift a 100 kg load.</li></ul> <p><b>DESIGN CRITERIA:</b></p> <ul style="list-style-type: none"><li>1. The system must be able to lift a 100 kg load.</li><li>2. The system must be able to lift a 100 kg load.</li><li>3. The system must be able to lift a 100 kg load.</li></ul>	<p><b>PROBLEM:</b> Design a hydraulic system that can lift a 100 kg load.</p> <p><b>GOALS:</b></p> <ul style="list-style-type: none"><li>1. Design a hydraulic system that can lift a 100 kg load.</li><li>2. Design a hydraulic system that can lift a 100 kg load.</li><li>3. Design a hydraulic system that can lift a 100 kg load.</li></ul> <p><b>DESIGN CONSTRAINTS:</b></p> <ul style="list-style-type: none"><li>1. The system must be able to lift a 100 kg load.</li><li>2. The system must be able to lift a 100 kg load.</li><li>3. The system must be able to lift a 100 kg load.</li></ul> <p><b>DESIGN CRITERIA:</b></p> <ul style="list-style-type: none"><li>1. The system must be able to lift a 100 kg load.</li><li>2. The system must be able to lift a 100 kg load.</li><li>3. The system must be able to lift a 100 kg load.</li></ul>
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I will be meeting with each group today, at which time we will discuss your progress, and look at whether or not you will need to come in for extra build time.



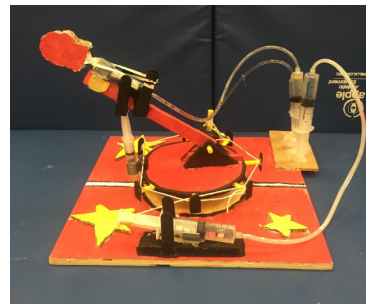
# Hydraulic System Design

Today is your \_\_\_\_\_ period for week \_\_\_\_\_ of your hydraulic system design project.

A this point, you should be working on:

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When the timer reaches zero, please clean up any tools or materials you have out. Those who are not building may continue to work.



## Attachments

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5-1 Outline.pdf