

**CURRICULUM AREA:** TECHNOLOGY & ENTERPRISE

**TARGET YEAR LEVEL/S:** Years 4 – 7

**CLASS TIME:** 45 minutes

## LESSON BACKGROUND

This is a good lesson to introduce students to the Chris & Clark's Paddleable Amphibious Craft or P.A.C. Student's will examine diagrams and schematics of the cart, and explore how it must work.

## OUTCOMES

- Understands that cause and effect relationships occur within systems that are used to fulfil particular purposes but that these can affect people and the environment in different ways.

## PREPARATION

- Pictures and Blueprints of Chris & Clark's PAC
- Lined paper

## STUDENT ACTIVITY

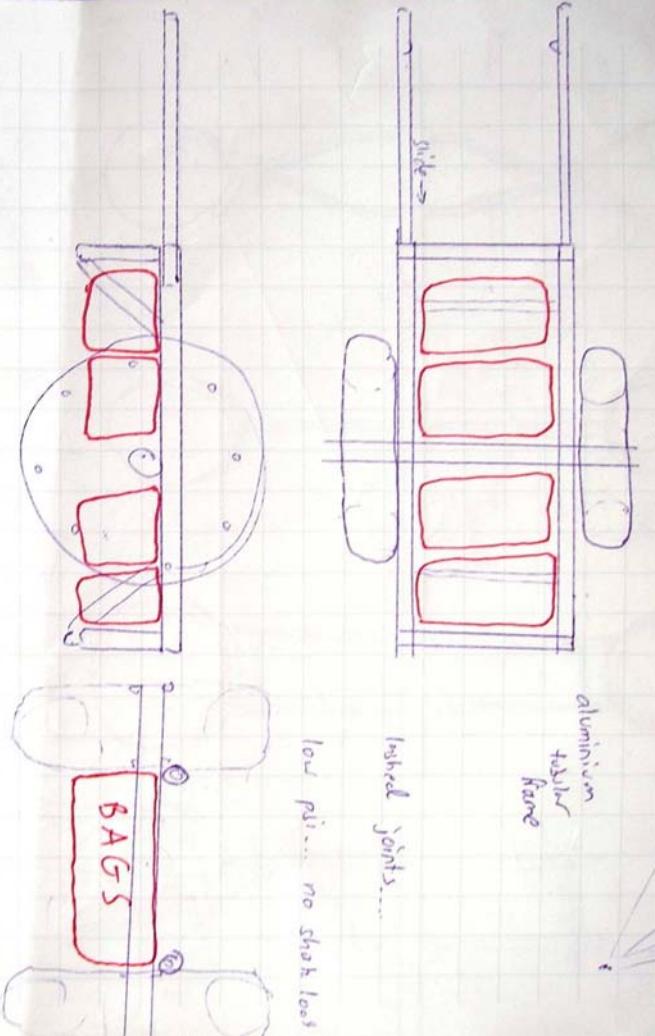
- 1) Introduce the activity by presenting students with the blueprints to the PAC. Do not tell them what it is or what it is used for. Ask students to examine the blueprints. What is it? What could it be used for?
- 2) Show students a PICTURE of the PAC. Re-ask the questions.
- 3) Using the blueprints and schematics, ask students to examine and explain HOW the pack must work. Students can write and/or draw. Ask students to specify the SYSTEM by which things like the wheels move, etc.
- 4) Show students video/pictures of the PAC in action to conclude the lesson.

## EXTENSION

- The reverse to this lesson makes for a bit more advanced work. Show students various pictures of the PAC, and ask them to draw the blueprints/schematics.



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**SYDNEY**  
Tel: (02) 9666 1233  
Fax: (02) 9666 1244

**MELBOURNE**  
Tel: (03) 9335 5454  
Fax: (03) 9335 5449

**BRISBANE**  
Tel: (07) 3860 6040  
Fax: (07) 3860 6039

Central Email: [service@victory.com.au](mailto:service@victory.com.au)

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