

## **High Country hi-tech Video Questions**

**Tuesday 12 May**

### **1. Drones and their uses**

Come down to the shores of Lake Pukaki to fly a drone and find out more about their uses.

1. What does Marcus use this drone for?
2. How does the drone work?
3. What are some of the benefits and challenges of using a drone?

Next step learning: Find out about some other uses of drones in New Zealand.

### **2. Drones monitoring wilding pines**

Drive towards Tekapo to find some wilding pines and see how drones are used to help control this invasive weed.

1. How is the drone used to help control wilding pines?
2. Why are wilding trees a problem?
3. How might drones be used in the future to control wilding pines?

Next step learning: Design your own drone for a particular use in the high country.

### **3. What is GPS?**

Drive up to the top of Mount John to learn about GPS and how it has changed the way we locate things in New Zealand.

1. What does GPS stand for?
2. How many satellites are needed to get an accurate location?
3. What information does GPS give and what stations make up the New Zealand survey network?

Next step learning: Find out the exact location of your home using GPS.

### **4. GPS in New Zealand**

Take shelter inside to find out more about GPS use in New Zealand and how it has changed the way we find locations

1. When did GPS data replace the old survey data used to make maps and how is it different to what was used in the past
2. Why did New Zealand start using GPS?
3. What are some things that GPS can be used for?

Next step learning: Find out how GPS can be used to better prepare for natural hazards.



### **5. Let's start geocaching**

Meet students from Twizel Area School to see how you can get involved in geocaching

1. What is geocaching?
2. What are some of the challenges of geocaching?
3. What do you need to be aware of when trying to find a geocache?

Next step learning: Go to the [Geocaching website](#) to find geocaches in your local area.