DRONES IN FORESTRY

DIGITAL SYSTEMS IN FORESTRY
Student Response Booklet

Digital Systems In Forestry

NAME: _____

Barcodes For Tracking Timber

How are barcodes used to track timber products from forest to the lumber yard? Draw a flow diagram to show each step of the tracking process from log to mill and how different components communicate across networks.

Digital Systems In Forestry

NAME: _____

Automated Optimisers

1. What does automated mean?

_____

_____

2. What does optimise mean?

_____

_____

3. Draw an annotated diagram to explain what an optimiser is and how it works.

Digital Systems In Forestry

NAME: _____

GPS Tracking Systems

Draw a diagram of how a GPS tracker interacts with the Forestry's network and explain the benefits of GPS trackers for people working in remote forest areas. You might like to research more about how GPS systems work here .

Drones In Forestry

Identify and describe the different ways drones are used in forestry.

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_____

Digital Systems In Forestry

NAME: _____

Modern Forestry Practices

1. Describe why forests are planted and grown in rows of trees. Think about the interconnected components of the forest environment (including the forestry workers). Do the features of modern technologies impact the ways managed plantation forests are designed?

   _____

   _____

   _____

2. Describe the significance of developments in technologies and how forestry has become more sustainable and safer since the time when axes and cross-saws were used. What caused these changes?

   _____

   _____

   _____

3. How do you think these changes have impacted communities around forests?

   _____

   _____

   _____

Digital Systems In Forestry

NAME: _____

4. What aspects of forestry have remained the same since colonial times?

_____

_____

_____

5. How do modern technologies like bar codes, optimisers, GPS trackers and drones meet the needs of

foresters now and into the future?

_____

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_____

6. What new technologies do you think could be used in forests in the future? (They might be in development

now or might not have been invented yet). You might like to include a diagram.

_____

_____

_____

THANK YOU!

This unit of work has been brought to you by She Maps and was developed in partnership with ForestLearning. You can find out more about ForestLearning at forestlearning.edu.au

We hope that you love our resources, and that you are excited for what we will release next! To see more She Maps resources check out our Teacher resources page.

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WHAT DO YOU NEED?

We're always looking for recommendations for topics or themes for drone and geospatial teaching resources. If you've got something in mind, then please email

programs@shemaps.com

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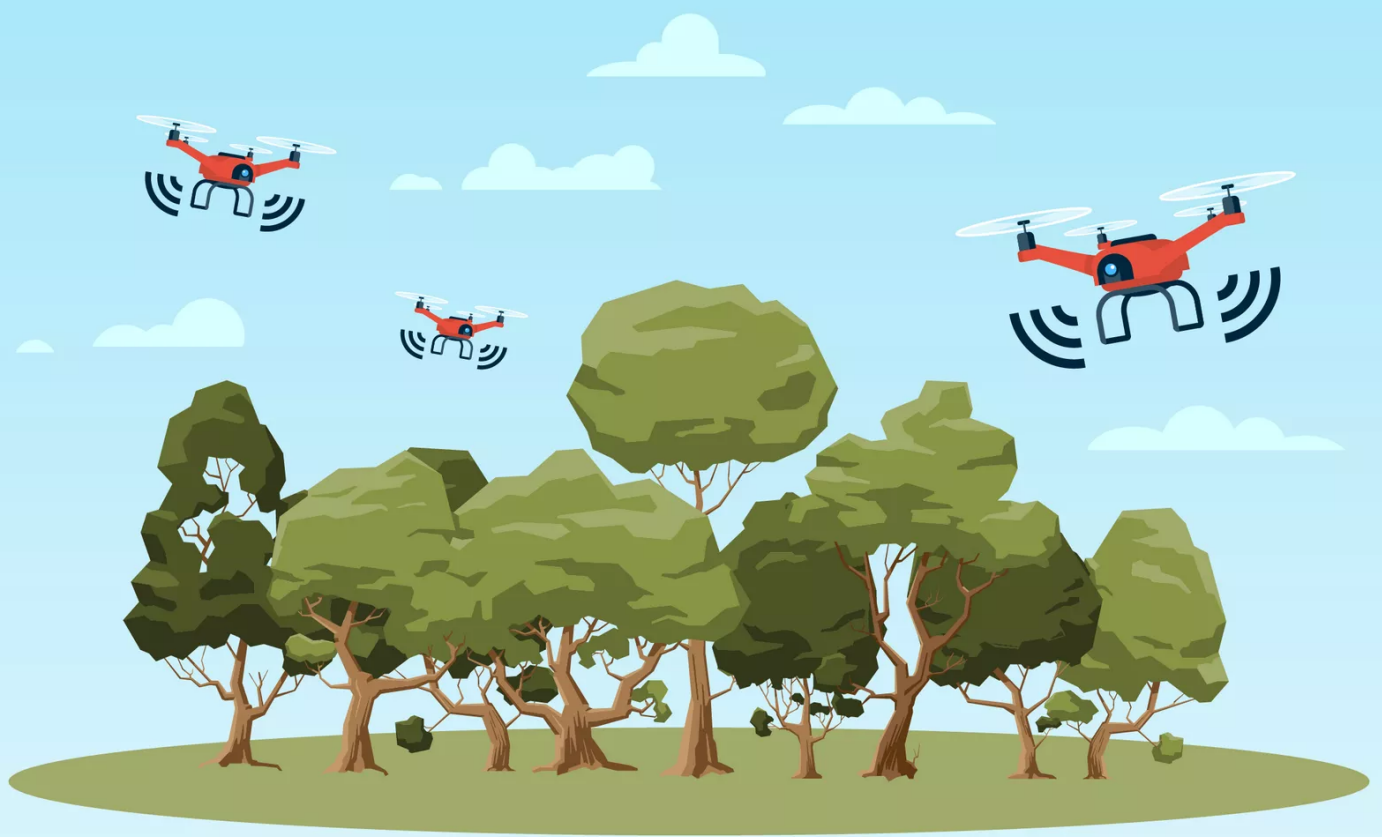
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ForestLearning and She Maps

This certificate has been presented in recognition of the quality of the product in terms of its:
- ❖ currency
- ❖ authenticity
- ❖ application of contemporary understandings about how students learn
- ❖ the use of cutting-edge production, and
- ❖ contemporary and innovative style in supporting geographical education in Australian schools.

The ForestLearning and She Maps Drones in Forestry units dynamically engage with emerging technology for a contemporary learning experience for all students. The significant support and resourcing attached to the unit empowers teachers to implement contemporary geographic tools in their curriculum, underpinned by strong vocational links.

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Dr Susan Caldis
Chairperson of AGTA Board

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