FOREST LEARNING

SHE MAPS

DRONES IN FORESTRY

DIGITAL SYSTEMS IN FORESTRY
Student Response Booklet

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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.

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Automated Optimisers

1. What does automated mean?

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_____

2. What does optimise mean?

_____

_____

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

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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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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?

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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?

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.

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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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