



# Tarland Bee Group (TBG)

Tarland Bee Group work under a local charity organisation called Tarland Development Group. TBG is run by volunteers whose aim is to improve beekeeping in Deeside. TBG have build up grant money to have a brand new educational facility built this summer near Tarland. TBG want your help to create some educational materials using your graphic design skills.

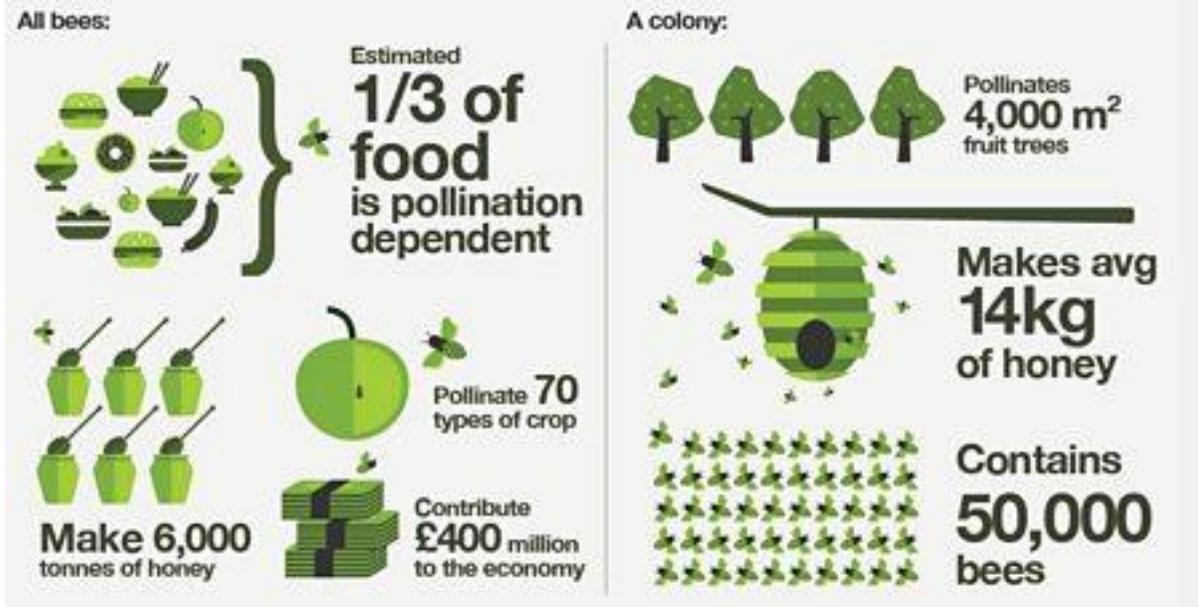
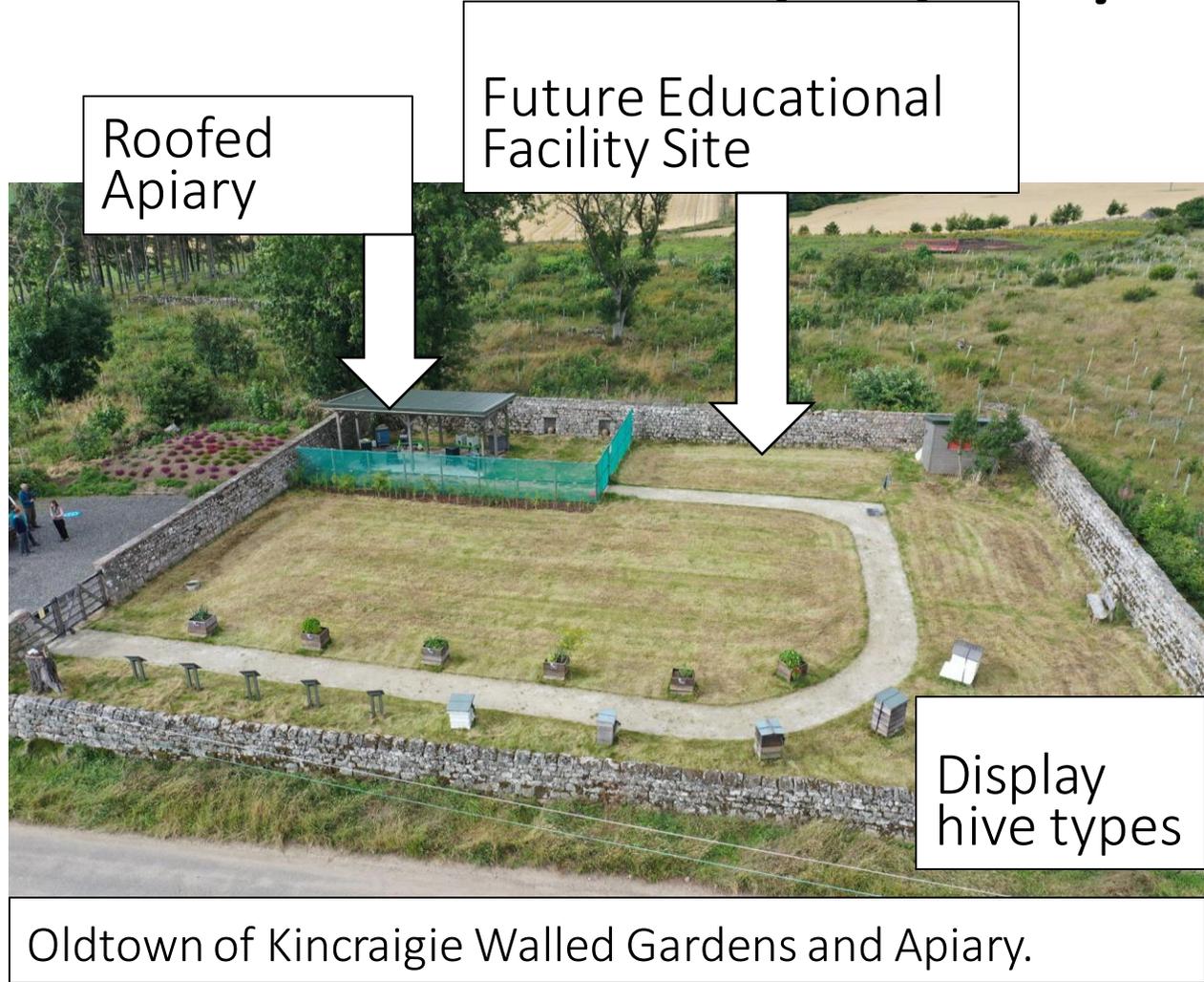


**Scots schoolboy buzzing after being crowned beekeeping world champion**  
Martin Leahy set the community abuzz by lifting the title of best young international beekeeper of 2019 in Slovakia.

Aboyne Academys Martin Leahy represented Scotland at the International Meeting of Young Beekeepers. He won the overall individual prize competing with 29 other nations. Scotland as a team also came 3rd overall. Perhaps you could do the same one day!



# Tarland Bee Group Apiary



Bees pollinate (fertilize) flowers and are responsible for a lot of food being produced. Without the help of bees we would not have a lot of the foods we enjoy. The TBG apiary is situated opposite the community owned 'Carolines orchard' maintained by the Macrobert Trust. The bees ensure this produces a great deal of apples every year. As you already know bees also produce honey so two crops are created!

Beekeepers keep their bee colonies in structures called hives, a number of hives are referred to as an apiary. The TBG apiary is used to demonstrate bee keeping skills like how to use a smoker, collect a honey harvest or feed honey bees sugar syrup- they even have a see through glass hive!



# Prizes

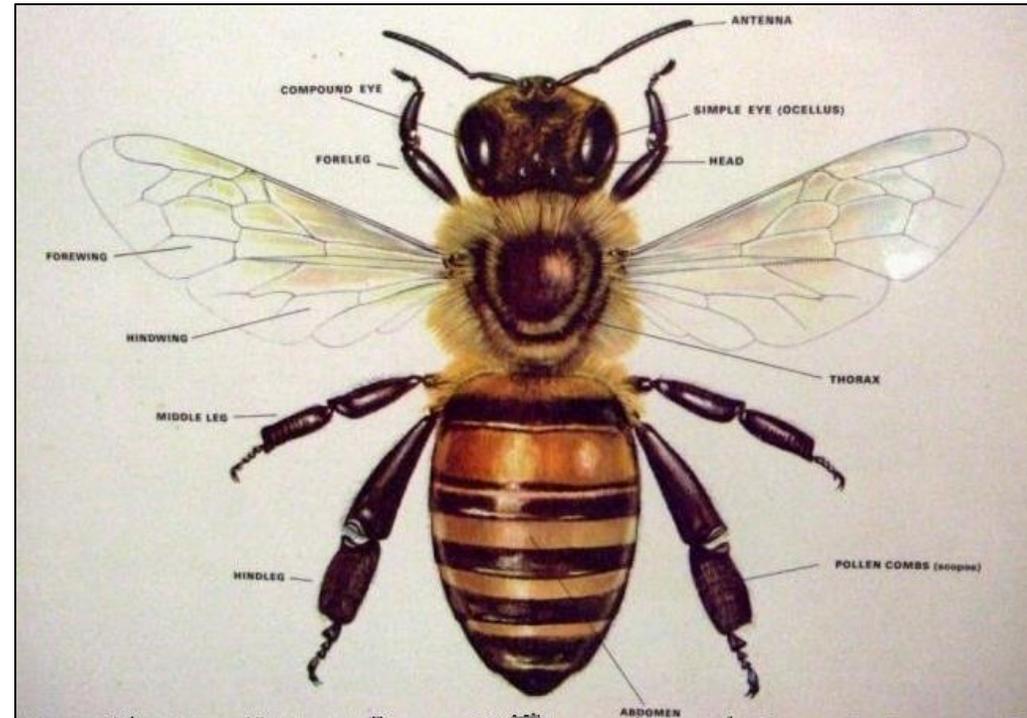
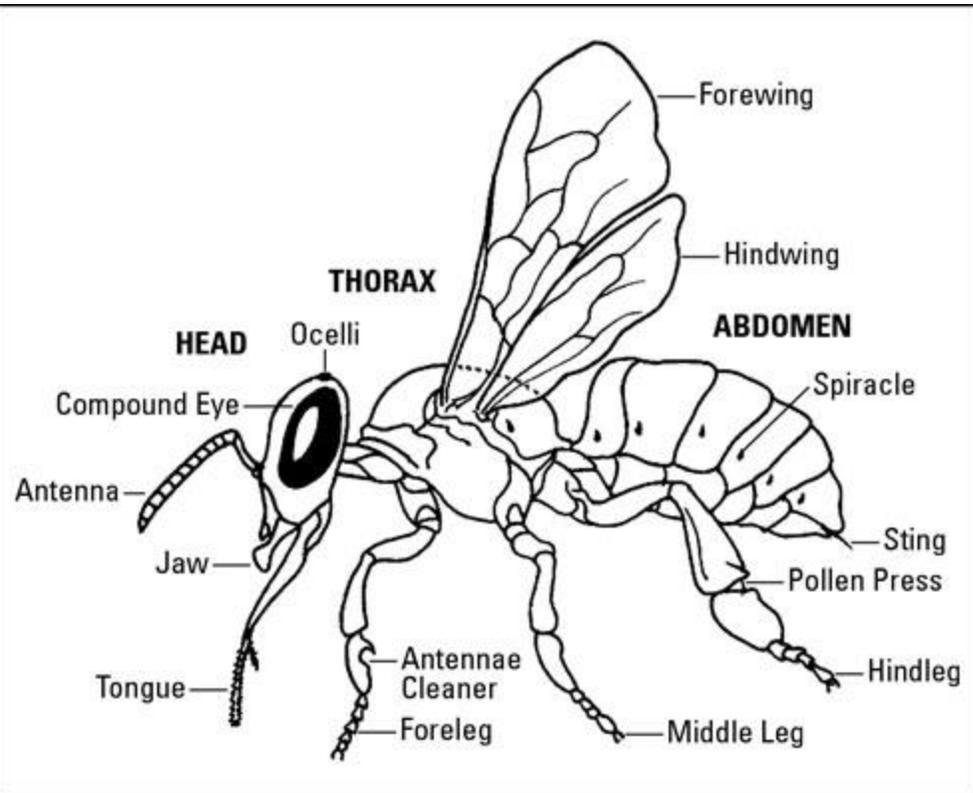
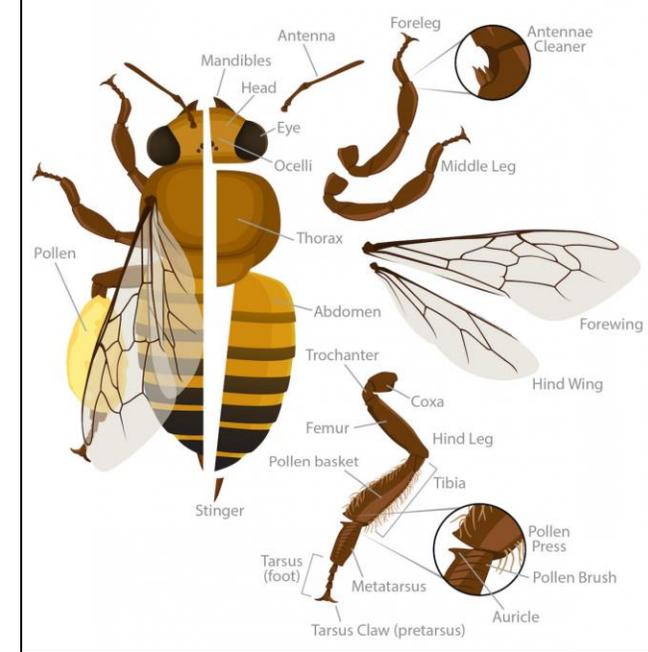
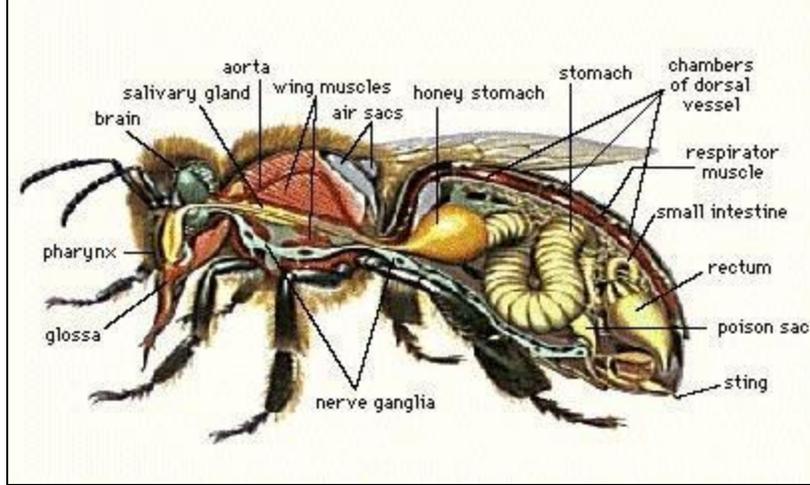


The winning design will be displayed in the new educational facility and used for promotional material in the future. Beyond the recognition of sharing your work TBG will:

- Give you a jar of local premium Deeside honey worth £7
- Invite you for some beekeeping lessons at the new apiary.

# Resources

Use one of these three images as references to create your Honey Bee worker (*Apis Mellifera*) calligram.





# Process. How do you make a calligram?

- Choose one of the worker honey bee images attached.
- Draw out or trace your outline as lightly as possible using the images provided.
- **DECIDE** what **kind of** typeface you **want to** use.
- Fill the relevant section of the honey bee worker with the relevant word for instance if you were writing a word in the top wing you would write *forewing*.
- Repeat this process for the entire bee drawing until its entirely made up of relevant words in the correct part of the bee. Double check this! Look back at the reference diagrams.
- Rub out any outlines.
- Fill the text with ink.
- Take a photograph and upload to google classroom. Remember to try and take a photograph from directly above, try and use natural light, keep the shot in focus and avoid casting shadows onto the calligram.



## How To Help The Bees:

- Plant native flowers.
- Plant native trees.
- Avoid mowing the lawn until late in year.
- Leave wild areas.
- Avoid spraying pesticides or herbicides
- Become a beekeeper!



## How to find out more about bees

Tarland Bee Group is keen to encourage young people interested in bee keeping and would welcome any enquiries. Once the new educational facility is complete TBG intends to use it as a place where students can collaborate with bee keepers to produce project work for exams or coursework.

See some of the resources attached for more ideas on beekeeping.