

Please refer to Worksheet Template Icon Key v0.1 for symbols above



"Hello from the 5000mileproject! On 27th July 2012, we will fulfil a dream expedition and the biggest challenge of our lives, to run the length of South America, unsupported, in a year!! Running 15 to 25 miles per day, over 5000 miles; it will be the equivalent of over 200 marathons and we will pull our food, water and equipment. We are both Ecologists and will also be carrying out the world's longest wildlife survey ("Mega Transect") and raising money for BirdLife International and Conservacion Patagonica. We want to share the amazing wildlife and wild places we see, hear and smell along the route with you, so come and join us at www.5000mileproject.org.....!", Katharine and David

Click this Link to show your Class a 2 minute film about the project:

<http://www.5000mileproject.org/2012/05/promovideo/>

Teacher PART A - Guidelines

WORKSHEET GOALS

We will be eating lots of wonderful fruit and vegetables as we run the length of South America. This worksheet aims to inspire pupils to think about where some of the fruit and vegetables they eat come from and to recognize these food plants. It also shows how many different animals pollinate the foods we enjoy eating.

Mapping to Syllabus

- Sc2 Life Process and Living Things:
- life Processes:
- a) human nutrition
- b) plant reproduction

At the end of this worksheet, pupils will

- know where a selection of popular fruit and vegetables were first grown and are grown today
- be able to recognize the plants that produce these fruit and vegetables
- understand that a diversity of animals pollinate these food plants
- have the optional to investigate where other fruit and vegetables they eat at home are grown etc.

NEEDS AND RESOURCES

Required Background

To successfully complete this worksheet, pupils must

- have studied animal pollination of plants

Required Materials

To successfully complete this worksheet, pupils will need

- no additional resources

Additional Print Resources

- not applicable

Online Resources

- not applicable

Teacher PART B –Answers

Activity 2

Match the name of the species to the photo:

Honey bee, France, Southern long-nosed bat, Venezuela, Scarlet Malachite Beetle, UK

Monarch butterfly, Uruguay, Green-backed fire-crown hummingbird, Chile, Blue-tailed gecko, Hawaii

Hover-fly, Holland, Kinkajou, Brazil, Hummingbird hawk-moth, UK

What do all these species have in common?

They all pollinate flowers.

Activity 3

Match the fruit/vegetable and the country it's commonly grown in South America to the correct photo:

Bananas, Ecuador Coconuts, Guyana Strawberries, Chile

Apples, Chile Brazil nuts, Brazil Potatoes, Peru,

Passion Fruits, Paraguay Oranges, Bolivia Avocadoes, Argentina

How are these plants species connected to the animals in Activity 2?

They all produce flowers which need pollinating by animals like those in Activity 2.

INFO

Katharine and David will be eating lots of fruits and vegetables as they run through South America. Many of these South American fruits and vegetables are now grown in your own countries, so you will probably have eaten many of them yourselves!

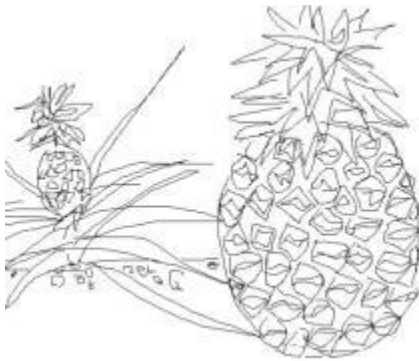
Stuff you'll learn

- ✓ Where some familiar fruits were first discovered in the wild
- ✓ We will be looking at which animals help in the creation of the amazing fruits and vegetables we eat.
- ✓ To match different fruits and vegetables to the plants which produce them and the countries where they are grown.



Activity 1

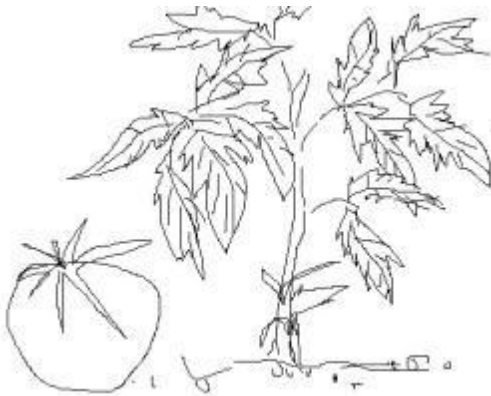
Below are some fruits you may have eaten. They all originate and were discovered in the Americas. Colour in each drawing and read where the fruit was first discovered in the wild.



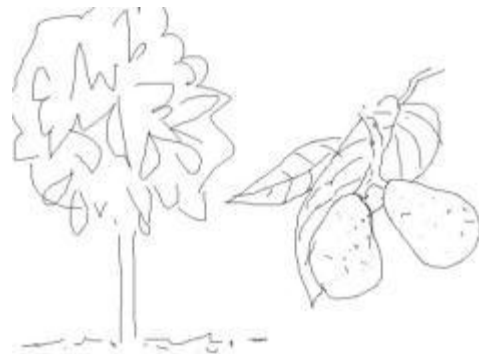
Pineapple, Paraguay



Pepper, Northern South America



Tomato, South America and Central America



Avocado, Mexico

Activity 2



Below is a box with names of different animal species and a country where they can be found. Underneath this are photos of the animals. Match the name of the species to its photo.

- | | | |
|--|------------------------------|---------------------------|
| Blue-tailed gecko, Hawaii | Honey bee, France | Hummingbird hawk-moth, UK |
| Monarch butterfly, Uruguay | Scarlet Malachite Beetle, UK | |
| Green-backed fire-crown hummingbird, Chile | Kinkajou, Brazil | |
| Southern long-nosed bat, Venezuela | Hover-fly, Holland | |



What do all these species have in common?

Activity 3



All the plants below produce fruits or vegetables that we enjoy eating. Select the name of the fruit or vegetable and the country it is commonly grown in South America from the boxes below and match it to the photos!

- | | | | |
|--------------------------|---------------------|------------------|---------------|
| Brazil nuts, Brazil | Potatoes, Peru | Bananas, Ecuador | Apples, Chile |
| Oranges, Bolivia | | | |
| Strawberries, Chile | Avocados, Argentina | Coconuts: Guyana | |
| Passion Fruits, Paraguay | | | |



















How are these plants species connected to the animals in Activity 2?