




Looking at information in the Habitat1 file

Load a copy of Junior ViewPoint and open the 'Habitat1' file.



Teacher's Notes: Introduce the program by showing the children that each sheet contains information about a different habitat. Show them how to click on the forward  and back  buttons to turn through the sheets. The questions below can then be answered by individuals or small groups as a classroom activity.

1. Click on the forward  and  back buttons until you see the sheet about ponds.

Can you read the sentences?

Fill in the missing words:

Here there is shallow _____ . If you came here you might find sticklebacks, _____ and _____ .

2. Click on the forward  and back  buttons until you see the sheet about tropical rain forests.

Finish these sentences by copying from the screen:

Here it is hot and wet and _____

If you came here you might find _____ (Animals) and _____ (Plants)

3. Click on the forward and back buttons some more times. Look for a different habitat from the two you have looked at so far.

Finish these sentences by copying from the screen:

I am the habitat called _____


If you came here you might find _____ (Animals) and _____ (Plants)



Searching for Information in the Weather1 and SolarSys1 files



Teacher's Note:


Show the children how to use the search tool  to find a particular sheet. Point out that this makes the computer do the work and is far better than turning through the sheets one by one using the forward and back buttons. The questions below can then be answered by individuals or small groups of children as a classroom activity.

Load a copy of Junior ViewPoint and open the 'Weather1' file.

1. Use the search tool to find Japan.
Finish these sentences:

The capital city is called _____.

In the capital it can be as cold as _____ ° C in winter, or as hot as _____ ° C in summer.

2. Now answer these questions. You will need to use the search tool  to find the right sheet, then read it carefully to fill in the gaps below:

What is the capital city of Libya ? _____

What is the capital city of Israel ? _____

How cold is winter in the capital of Norway ? _____


How warm is summer in the capital of Romania ? _____

Close the 'Weather1' file and open the 'SolarSys1' file.

3. Use the search tool  to find Earth.
Finish these sentences:

I move around the _____.

You _____ breathe here.

4. Now try these questions. You will need to use the search  tool to find the right sheet then read it carefully to find the answer.

How many moons does Saturn have? _____

Does Mercury have an atmosphere? _____ (yes/no)

What is the temperature on the surface of Pluto? _____ °C

What is the surface of Jupiter like? _____

An Environment Survey

Teacher's Notes:

In this activity pupils are going to collect their own data and enter it into a database. This database can then be used for a number of different tasks, some examples of which are given below.

Litter Survey

Go on a litter collecting (or observing) walk. For each piece of litter found try to decide what it is made from, whether it will break up over time and whether it can be recycled. You will probably end up with many pieces of litter made from the same thing.

To enter the data load a copy of **Junior ViewPoint** and open the '**Litter**' file. This file does not have any data in it! Over a period of time the data can be entered by pupils individually so that a class datafile is built up.

Example Task: Use the forward and back buttons to find some litter which can be used again.

Complete these sentences:

This litter is _____ . **This litter is made from** _____ .

Exercise Survey - Then and Now

Teacher's Note:

This is a survey designed to compare exercise now and some time ago. For example in the 1950s. One suggested approach is to give each pupil two blank questionnaires from the '**Exercise**' file. One they should complete themselves, and the other they should ask an older person to fill in.

To enter the data load a copy of **Junior ViewPoint** and open the '**Exercise**' file. This file does not have any data in it! Over a period of time the data can be entered by pupils individually so that a class datafile is built up.

Example Task: Search for records of the older people (e.g. '**Year is less than 1960**'). Look through the records at how many hours of games or PE activities there were in school then. Repeat this, searching for the records of the pupils now (e.g. '**Year is equal to 2000**')

Sports Facilities Survey

Teacher's Note: This survey is designed to increase awareness of local sports facilities. The blank questionnaire could form the basis of class discussion and then research in order to complete a local survey.

To enter the data load a copy of **Junior ViewPoint** and open the '**Sport**' file. This file does not have any data in it! Over a period of time the data can be entered by pupils individually so that a class datafile is built up.

Example Task: Draw a bar chart of the '**Days**' field to compare the number of activities available on the different days. Which is the best day for sport near you?



Searching the Information in the Habitat2 and SolarSys2 files

Load a copy of **Junior ViewPoint** and open the '**Habitat2**' file.

Use the forward and back buttons to look through the first few sheets for a habitat which is unusual.

Now answer these questions:

1. What is the name of the habitat? _____

What type of habitat is it? _____

What animals and plants are found there?

Animals: _____

Plants: _____

2. Use the search tool to find the sheet for evergreen forest. Write three sentences below about this habitat based on the information on screen.

3. Use the search tool to find all of the land habitats. Look at the screens for each of these sheets and use the information found to produce a small piece of writing with the title 'Land Habitats'.



Load a copy of **Junior ViewPoint** and open the '**SolarSys2**' file.

4. Find Neptune.

How many moons does it have? _____

5. Which planet has a surface of methane ice?

6. Which planet does the moon Titan orbit?

7. Which planet has an atmosphere which freezes in winter?

A Weather2 file Quiz

Load a copy of **Junior ViewPoint** and open the 'Weather2' file.
Use the search tool to find the answers to these questions.

1. Which of these countries are in Asia?

- Ghana Cambodia
- Indonesia Albania
- Turkey Colombia

2. Which of these countries have a continental climate?

- Afghanistan Algeria
- Ireland Poland
- Iran Israel

3. What is the highest temperature in the capital city of Iraq?
_____ °C

4. Fill in this table.

| Country | Capital | Lowest Temperature |
|--------------------------|---------|--------------------|
| United Kingdom | | |
| United States of America | | |
| Russia | | |
| Greece | | |
| Iceland | | |
| Jamaica | | |

5. Which of these countries has a winter temperature in the capital below -2 °C?

- Argentina Canada
- Germany Nepal
- North Korea

6. What do these countries have in common?

- Uruguay Barbados
- Haiti Argentina
- Panama

7. What do these countries have in common?

- Mexico India
- Nigeria Vietnam
- Cuba



Searching and sorting the information in the Habitat3 and SolarSys3 files.

Load a copy of **Junior ViewPoint** and open the '**Habitat3**' file.

Click on the forward and back buttons to look through some of the habitats.

Now look at the list view.



1. How many land habitats are there in the file?

Clue: Click the search button and write 'Land' in the 'Type' box.

2. Which habitats are squirrels found in?

Clue: Click on the Subset/All toggle button before starting a new search using the search button and 'Animals'.

3. Which habitats is grass found in?

Clue: Use search button and 'Plants'.

Load a copy of **Junior ViewPoint** and open the '**SolarSys3**' file.

4. Which is the hottest and which is the coldest object in the solar system?

Hottest: _____ Coldest: _____

Clue: Click on the sort button and sort by 'Temp'. Use the scroll bars to look at the top and bottom of the list.

5. Which planet is the largest and which planet is the smallest in this file?

Largest: _____ Smallest: _____

Clue: Reset all sheets then click the search button and use 'Type' to select only the planets. Now sort the diameter.

6. Which planet is the hottest and which is the coldest?

Hottest: _____ Coldest: _____

Clue: Reset all sheets then select 'Type' includes planet then sort by 'Temp'.

Charting the Information in the Weather3 and SolarSys3 files

Load a copy of **Junior ViewPoint** and open the **'Weather3'** file.

Click on the forward and back buttons to look through a few of the countries then open the list view.

Graphs can help you understand information and make discoveries.

1. Which region of the world has most countries in the file? _____

2. What is the most common maximum temperature in the capital cities of the countries in the datafile?
_____ ° C.

3. What is the most common minimum temperature in the capital cities of the countries in the file?
_____ ° C.

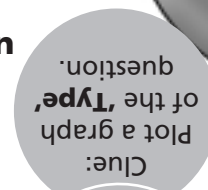
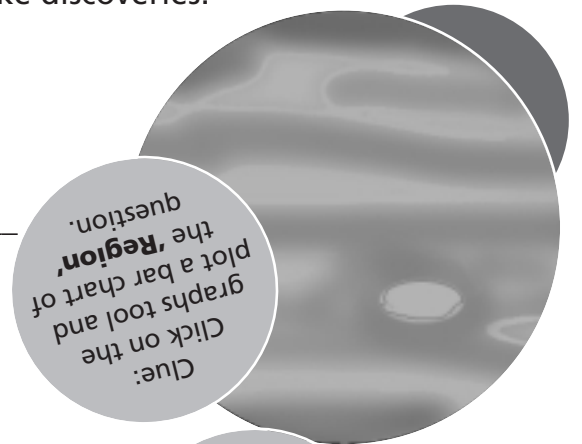
Load a copy of Junior ViewPoint and open the **'SolarSys3'** file.

Click on the forward and back buttons to look through a few of the objects, then open the list view.

4. Which is the most common type of object in the solar system? _____

5. Around which object in the solar system do most other objects orbit? _____

6. Which planet has the most moons orbiting around it? _____

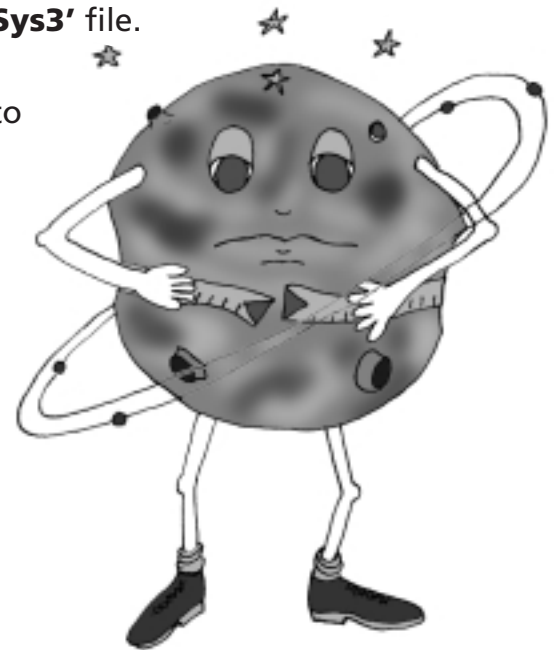


Who am I? Solar System Quiz

Load a copy of **Junior ViewPoint** and open the 'SolarSys3' file.

Look at the list view.

Use the search and sort tools to try to find the answers to these riddles.

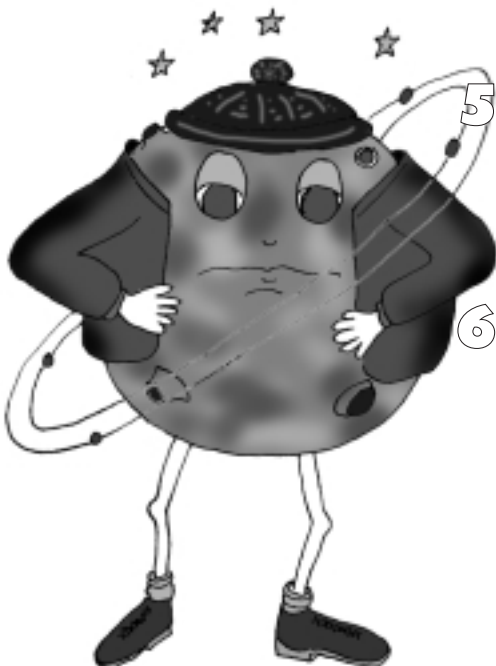


1. I am a moon (Type)
 I orbit Saturn (Orbiting)
 I am 240 km in diameter (Diameter)
 I take 550.5 earth days to orbit Saturn (OrbitTime)
 Answer _____

2. My surface is unknown (Surface)
 My time to do one orbit is greater than 600 Earth days (OrbitTime)
 My diameter is greater than 25 km (Diameter)
 I am a moon (Type)
 Answer _____

3. The temperature on my surface is less than -200 °C
 I am further than 4000 million km from the Sun (OrbitRad)
 My atmosphere includes hydrogen (Atmosphere)
 Answer _____

4. My surface is rocky (Surface)
 I am more than 3000 km in diameter (Diameter)
 I orbit the Sun (Orbiting)
 I have one moon (Moons)
 Answer _____



5. My atmosphere is unknown (Atmosphere)
 I orbit Jupiter (Orbiting)
 I am more than 1000 km in diameter (Diameter)
 My surface is rock (Surface)
 Answer _____
6. I orbit the Sun (orbiting)
 My gravity is less than 0.5 times the Earth's gravity (Gravity)
 I am less than 500 million km from the sun (OrbitRad)
 My mass is more than .00005 times the mass of the Earth (Mass)
 My diameter is less than 3000 km (Diameter)
 Answer _____

Answers to the Activity Sheets

Activity Sheet 1 – Looking at information in the Habitat1 file

- Here there is shallow freshwater.
If you came here you might find sticklebacks, water beetles and water lilies.
- Here it is hot and wet and large trees make it is dark at ground level.
If you came here you might find monkeys, parrots and orchids.

Activity Sheet 2 – Searching Information in the Weather1 and SolarSys1 files

- The capital city is called Tokyo.
In the capital it can be as cold as -2°C in winter or as hot as 30°C in summer.
- The capital city of Libya is Tripoli.
The capital city of Israel is Jerusalem.
In winter, temperatures in Norway can be -7°C .
In summer, temperatures in Romania can be as hot as 21°C .
- I move around the sun.
You can breathe here.
- Saturn has 23 moons.
Mercury does have an atmosphere.
The temperature on Pluto is -230°C .
The surface of Jupiter is gassy.

Activity Sheet 4 – Searching the Information in the Habitat2 and SolarSys2 files

- The answer here depends on which habitat you chose.
- Example. This is a land habitat. It has lakes and trees with needle like leaves which are green all year. Some animals found there are squirrels and deer.
- Your answer here will be a short piece of writing based on the 'Land' habitats in the file.
- Neptune has 8 moons.
- The surface of Pluto is methane ice.
- The moon Titan orbits Saturn.
- Pluto has an atmosphere which freezes in winter.

Activity Sheet 5 – A Weather2 file Quiz

- Cambodia, Indonesia and Turkey are in Asia.
- Afghanistan, Poland and Iran have a continental climate.
- The highest temperature in the capital city of Iraq is 50°C .

| Country | Capital | Lowest temperature |
|--------------------------|------------|-----------------------|
| United Kingdom | London | 2°C |
| United States of America | Washington | -3°C |
| Russia | Moscow | -16°C |
| Greece | Athens | 6°C |
| Iceland | Reykjavik | -2°C |
| Jamaica | Kingston | 19°C |

- Argentina, Canada and North Korea.
- They are all in Latin America.
- They all have a tropical climate.

Activity Sheet 6 – Searching and sorting the information in the Habitat3 and SolarSys3 files

- There are 8 land habitats in the file.
- Squirrels can be found in deciduous forest and evergreen forest habitats.
- Grass can be found in deciduous forest, hedge, freshwater, wetland, grassland and tundra.
- Hottest object: Venus.
Coldest object: Triton.
- Largest Planet: Jupiter.
Smallest Planet: Pluto.
- Hottest Planet: Venus.
Coldest Planet: Pluto.

Activity Sheet 7 – Charting the information in the Weather3 and SolarSys3 files

- The region with the most countries is Asia.
- The most common maximum temperature is 31°C .
- The most common minimum temperature is 8°C .
- The most common type of object in the solar system is moon.
- Most objects in the file are orbiting the sun.
- The planet with the most moons orbiting it is Jupiter.

Activity Sheet 8 - Who am I? Solar System quiz

- | | |
|-------------|-----------|
| 1. Phoebe. | 2. Carme. |
| 3. Neptune. | 4. Earth. |
| 5. Io. | 6. Ceres. |