



## Activity 2 Starter



If ...      £1 = €1.4

and...      £1 = \$1.9

1. How much is €1 worth in £?
2. How much is \$1 worth in £?
3. How much is €1 worth in \$?
4. How much is \$1 worth in €?



## EXPLORERS ACTIVITY 2 - CAPTAIN'S LOG



Your aim in this mission is to make a profit trading goods between the planets of the Outer Rim.

You will receive special recognition if you can:

- find a way to make a profit of more than 10000 Credits visiting each planet just once.

### Getting Started

Listen to the introduction you will receive from your class teacher.

Then study the planet trading profiles that you will have been given.

In particular, think about:

- the different currencies used on each planet
- the relative value of each good on each planet
- the best places to buy and sell each good.



### Discussion Time

Take some time to discuss this problem with the rest of your group.

- How are you going to approach this problem?
- What information will you need to use?
- What overall strategy are you going to employ?

Write your comments in this space.



## Recording Your Results

The activity will be divided into a series of trading rounds.

Each trading round will be preceded by a period of planning time.

Use your planning time to establish:

- which planet you intend to visit
- which good(s) you intend to buy
- the cost you will pay for the goods you buy
- which good(s) you intend to sell
- the income you will receive for the goods you sell.

Take into account the different currencies used by each planet.

Use the money provided to pay for the goods you buy but don't get ripped off.

As you progress, record your transactions in the summary table on the separate sheet.

Repeat the process each trading round until the table is complete.

Work out how much money you've got at the end and calculate your overall profit.

Within your group, discuss your results:

- How would you describe your results?
- Is it possible to explain your results?

Describe and attempt to explain your results in this space.

## Finishing Off

Now, within your group, discuss the following:

- How satisfied were you with your performance?
- Were the strategies you employed successful?
- How would you do things differently next time?

Write your comments in this space.





# EXPLORERS INTERPLANETARY TRADERS



This isn't going to be like some kind of starship boot sale... there are serious amounts of money involved. Plan your route between the planets before each round and remember to buy low and sell high. Record your transactions every round in the table shown below. Keep your details safe at the end... you'll need them again soon.

**Amount Of Goods Bought**

Planet Visited	Mineral	Food	Fuel	Cloth
1				
2				
3				
4				
5				

**Amount Of Goods Sold**

Mineral	Food	Fuel	Cloth

**Credits Available**

Cost Of Goods Bought (Credits)	Income From Goods Sold (Credits)	Total Credits



## Exchange Rates (June 2007)

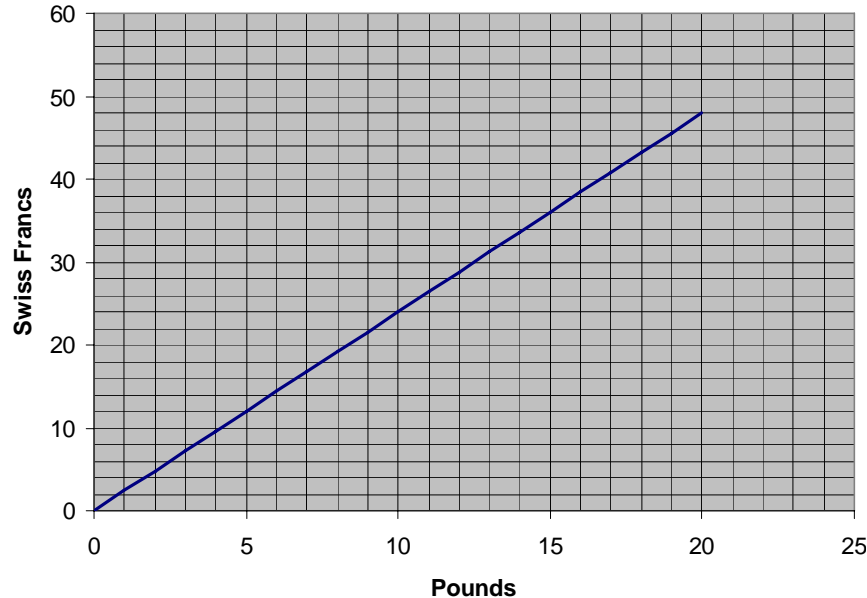
Country	£1 is worth	Country	£1 is worth
Argentina	5.9 Pesos	Malaysia	6.6 Ringgit
Canada	2.0 Dollars	New Zealand	2.5 Dollars
Denmark	10.7 Krone	Pakistan	120.9 Rupees
India	72.2 Rupees	Poland	5.1 Zloty
Japan	239.8 Yen	Tunisia	2.4 Dinar
All amounts rounded to 1 decimal place			

1) Use the Exchange Rate table to find the answers to these questions:

- What is 1 Canadian Dollar worth in Pence?
- How many New Zealand Dollars will you get for £50?
- I have £150 to spend on holiday in Poland.  
How much Polish money will I get?
- I have 990 Ringgit.  
How much is that in Pounds?
- Sukhdev has 18050 Indian Rupees for his trip to the UK.  
How much is that in Pounds?
- How many Yen will I get for £225?
- Mette has 1872.5 Krone to change into Pounds.  
How much will she get?
- Abdul is going to Argentina from Tunisia.  
He has 1260 Dinar.  
How many Pesos will he get?
- Tegan is travelling from New Zealand to Pakistan.  
She has \$NZ900.  
How many Rupees will she get?



2) Look at the conversion graph shown below.



Use the graph to estimate the number of Swiss Francs you will get for:

- a) £15
- b) £2.50
- c) £12.50
- d) £19

Use the graph to estimate the number of Pounds you will get for:

- f) 30 Swiss Francs
- g) 42 Swiss Francs
- h) 8 Swiss Francs
- i) 43 Swiss Francs

3) Choose any country from the Exchange Rate table.

Calculate what £20 is worth in your chosen country.

Draw a grid with the x-axis from 0 to 20 and the y-axis from 0 to your last answer.

Calculate how much you will get in your chosen currency for £5 and £10.

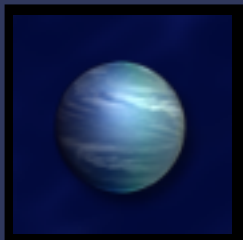
Draw a conversion graph.

Use your graph to estimate what you will get in your chosen currency for:

- a) £18
- b) £12
- c) £24
- d) £7.50

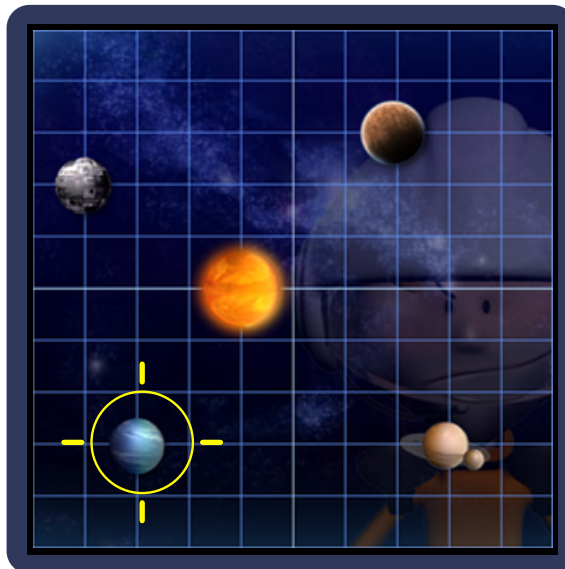


## Tapoono



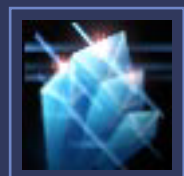
**Atmosphere:** Oxygen  
**Population:** 12.5 billion  
**Main Industry:** Chemicals

**Currency Unit:** Oona  
**Exchange rate:** 0.36 Oonas = 1 Eron



### Buy

### Sell



**Minerals:**

5850 Oonas

5625 Oonas



**Food:**

5400 Oonas

4950 Oonas



**Fuel:**

4500 Oonas

4320 Oonas



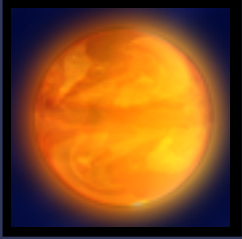
**Cloth:**

6300 Oonas

5400 Oonas

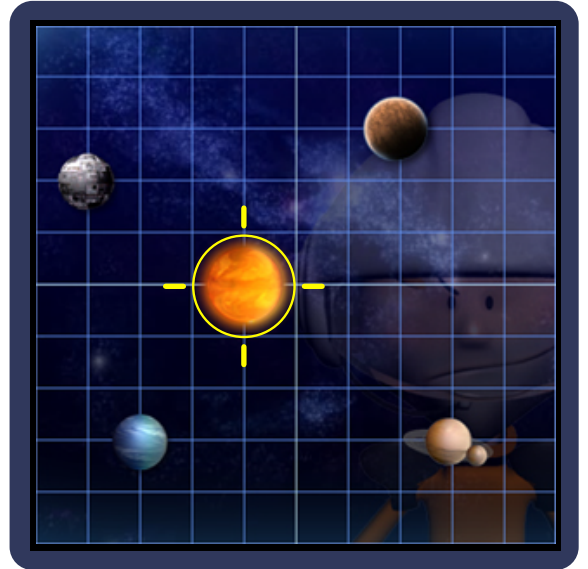


## Pravit



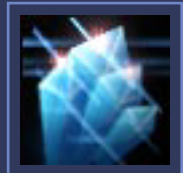
**Atmosphere:** Nitrogen  
**Population:** 2.9 million  
**Main Industry:** Banking

**Currency Unit:** Avit  
**Exchange rate:** 1 Avit = 25 Credits



## Buy

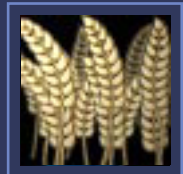
## Sell



**Minerals:**

66 Avits

64 Avits



**Food:**

56 Avits

48 Avits



**Fuel:**

60 Avits

56 Avits



**Cloth:**

56 Avits

52 Avits

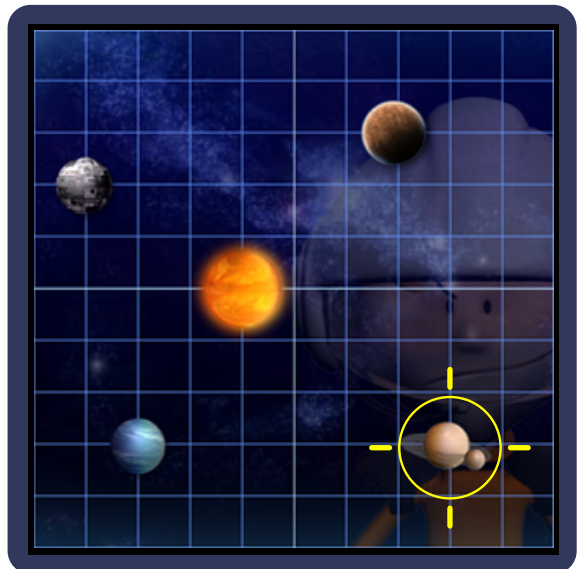


## Galloric



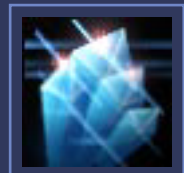
**Atmosphere:** Hydrogen  
**Population:** 71. billion  
**Main Industry:** Textiles

**Currency Unit:** Oric  
**Exchange rate:** 120 Orics = 1 Credit



## Buy

## Sell



**Minerals:**

144000 Orics

138000 Orics



**Food:**

132000 Orics

108000 Orics



**Fuel:**

180000 Orics

174000 Orics



**Cloth:**

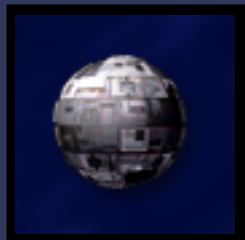
72000 Orics

60000 Orics



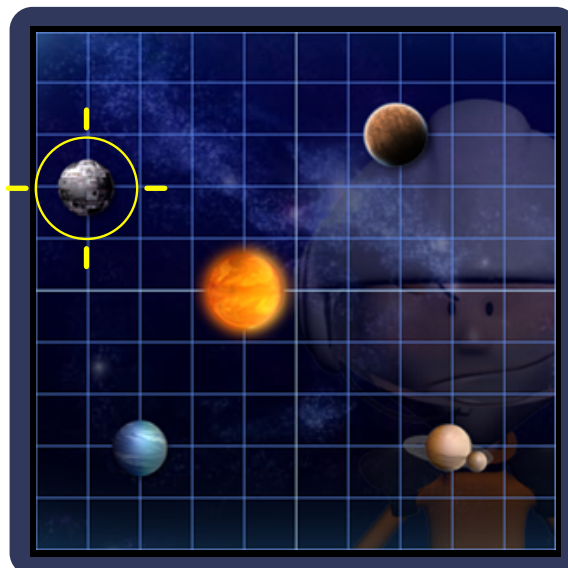


## Feron



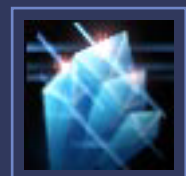
**Atmosphere:** Nitrogen  
**Population:** 56.4 million  
**Main Industry:** Mining

**Currency Unit:** Eron  
**Exchange rate:** 12.5 Erons = 1 Credit



## Buy

## Sell



**Minerals:**

7500 Erons

6250 Erons



**Food:**

10000 Erons

7500 Erons



**Fuel:**

21250 Erons

20000 Erons



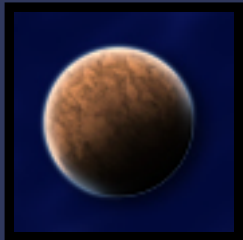
**Cloth:**

15000 Erons

13750 Erons

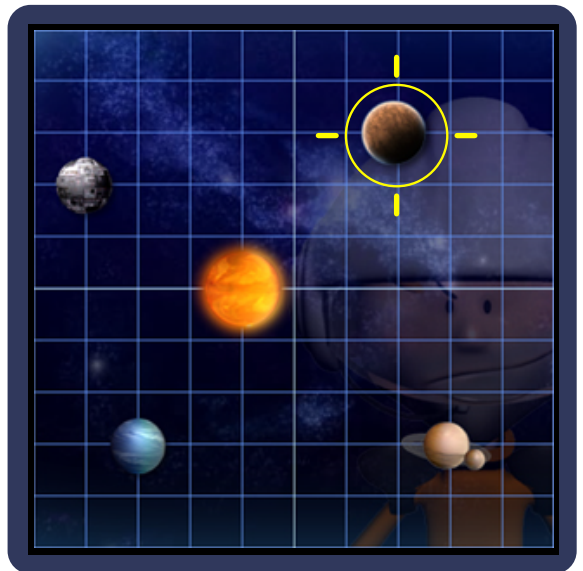


## Benjaro



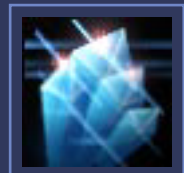
**Atmosphere:** Oxygen  
**Population:** 1.3 billion  
**Main Industry:** Agriculture

**Currency Unit:** Jaro  
**Exchange rate:** 20 jaros = 1 Credit



### Buy

### Sell



**Minerals:**

20000 Jaros

18560 Jaros



**Food:**

30000 Jaros

26000 Jaros



**Fuel:**

44000 Jaros

42000 Jaros



**Cloth:**

32000 Jaros

30000 Jaros



500 Credits



500 Credits



500 Credits



500 Credits



500 Credits



500 Credits



500 Credits



500 Credits



500 Credits



500 Credits





100 Credits



100 Credits



100 Credits



100 Credits



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100 Credits



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50 Credits



50 Credits



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50 Credits







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5 Credits



5 Credits





1000 Credits

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