# 'Making the Best of the Home PC' Series

# MANAGING YOUR FINANCES

## **Lesson Handout**

Compiled and Edited

by



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## 1) INTRODUCTION

This handout is intended to be a supplement to the one-to-one lesson of the same name which is given by PC Tutor – see <a href="https://www.pctutor.ie">www.pctutor.ie</a> for more details. It provides additional information which helps improve understanding and also provides activities to practice key features of Programs and Web Apps covered in lesson.

The handout has been researched from carefully selected internet resources and eBooks to gain knowledge of subject area within the scope of lesson. Once relevant material was understood and practiced, the Handout was then written to suit the target audience.

All handouts have been reviewed to make sure they provide adequate information to support the Learner during/after lesson. They have also had a technical review to ensure they are technically accurate and in line with latest advances in the area.

PC Tutor has qualifications in both eBusiness Studies (inc MS Office Skills and Web Authoring), PC Maintenance at Fetac L5 and a 8 year I.T Career as a Systems Analyst and Software Tester.

This handout will be held in a Google Docs folder with access provided to Learner's via their email address so they can download handouts for lessons they have undertaken with PC Tutor.

## 2) AUDIENCE

Computer users can be divided into five categories:

- 1. Home user
- 2. Small office/Home office users
- 3. Mobile users
- 4. Large business users
- 5. Power users.

This guide is aimed at the Home User – Families, school and college Students and Seniors.

A **Home user** spends time on the computer for personal and social/business communications, budgeting and personal financial management, entertainment, and general web browsing.

#### 3) MANAGING YOUR MONEY



enough money to go around.

Many people have experienced financial difficulty due to recession, reduction in working hours or job loss or need for expensive medical procedure. You may have high outgoings like college fees and books, car maintenance or upgrade or high rent/mortgage fees.

There are also other factors that can contribute to financial difficulty such as a relationship breakdown, increased expenditure or poor budgeting with simply not

## Step 1 – Complete a Financial Health Check

A financial health check will give you a clear picture of your finances and helps you identify where you need to make changes. You should complete this step at least once a year, particularly if your income changes or you experience a big life event. See Consumerhelp website link below for steps to carry out financial health check.

#### 2. Step 2a – Identify Your Goals

Whether it is saving for a holiday next year, paying off your credit card debt or starting an emergency fund, everybody has different goals. When you have a goal, you will find it easier to stick to a budget. Once you identify your goal, you need to work out how much it will cost and how you will put money aside to achieve it.

#### Step 2b - Prioritise Goals

Once you have a list of Goals, you should then list them in order of priority so that you can attend to most important ones first. For instance, would you rather pay off your mortgage ten years early or take a holiday. Is being able to retire early more important than putting your children through college.

#### 3. Step 3 – Make a Budget

A budget is simply a plan showing how much you expect to receive and how you plan to spend it. It will show you how much money is coming into your household, your main outgoings and how much you can afford to offer to those you owe money to - your Creditors like Credit Card Bills, Loans Outstanding etc. For Goals set in 2a above, you may need to set realistic targets and work towards them in easy stages. You should allocate a certain amount each month towards your Goal so that you can gradually save the required amount in time for the event e.g Education Fees need to be available in time for your eldest child starting College.

See more at :-

https://www.ccpc.ie/consumers/money/budgeting/managing-your-money/

# Activity 1a Produce Excel Cash Flow chart using Budget spreadsheet as Input

#### Introduction

This tutorial takes you through all the steps to produce an Excel Cash Flow Chart for a typical 6 month budget period. The Excel Cash Flow Chart will give you an idea how well your budget will balance over a given budget period – it shows at a glance if your balance will be likely to grow, breakeven or go into a deficit.

#### <u>Step 1 – Open Sample Budget Cashflow Spreadsheet</u>

There is a sample Budget Cashflow Spreadsheet available in the following shared folder for you to use, it is called - <u>GNUCashflowanalysis - PC Tutor - Qtr 3 2017.xlsx</u>

#### **PC Tutor Activity Files**

#### Step 2 - Set-up personal budget for 3-6 month period

The first step in creating a budget is to decide what it is you want to track and analyse. This decision will affect which sections you include in the sample Budget Cashflow Spreadsheet. For example, if you want to track all your cash flow, you may create a cash flow budget by entering amounts for asset, liability, income and expense categories.

Before creating a budget, you must also decide what period of time you want to plan for. The most common budget periods are monthly and annual. If you want your budget to plan for changes in financial patterns over time, then you should include multiple budget periods in your budget. For example, if you want to plan on having higher utility expenses in the winter than in the summer, then you might break your annual budget into 4 quarters or even 12 months, and budget a higher value for the winter periods than for the summer periods.

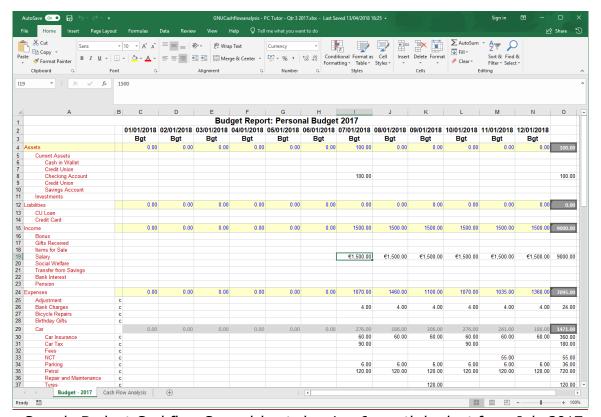


Figure: Sample Budget Cashflow Spreadsheet showing 6 month budget from July 2017

Step 3 - Copy balance from Budget Worksheet and Paste into Cash Flow Analysis Worksheet



Figure: Copy Monthly Budget Balance from July 2017 to Dec 2017 from Budget Worksheet

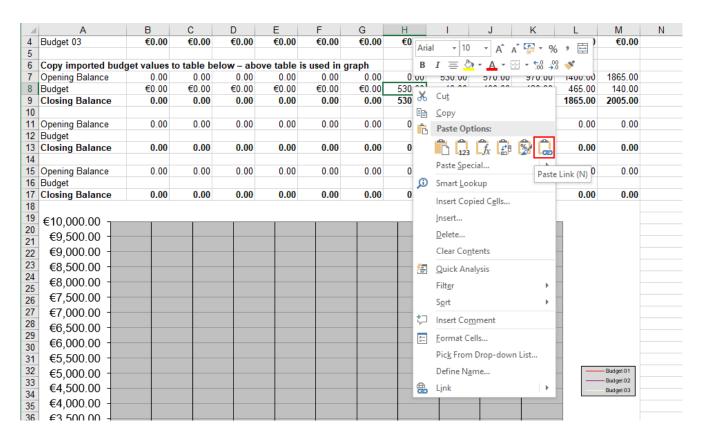


Figure: Pasting of link for Monthly Budget Balance into Cash Flow Analysis worksheet

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4	Α	В	С	D	Е	F	G	Н	1	J	K	L	M	N
1		Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
2	Budget 01	0.00	0.00	0.00	0.00	0.00	0.00	530.00	570.00	970.00	1400.00	1865.00	2005.00	
3	Budget 02	€0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	Budget 03	€0.00	€0.00	€0.00	€0.00	€0.00	€0.00	€0.00	€0.00	€0.00	€0.00	€0.00	€0.00	
5														
6	Copy imported budg	jet values t	to table be	elow – abo	ove table i	is used in	graph							
7	Opening Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	530.00	570.00	970.00	1400.00	1865.00	
8	Budget	€0.00	€0.00	€0.00	€0.00	€0.00	€0.00	530.00	40.00	400.00	430.00	465.00	140.00	
9	Closing Balance	0.00	0.00	0.00	0.00	0.00	0.00	530.00	570.00	970.00	1400.00	1865.00	2005.00	
10														
11	Opening Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	Budget													
13	Closing Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14														
15	Opening Balance	0.00	0.00	0. Ch	art Area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	Budget													
17	Closing Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18														

Figure: Cash Flow Analysis Calculations

On the screen above, you can see the Cashflow calculations in the Closing Balance row. It is basically a cumulative sum of each Monthly Budget Balance within budget period.

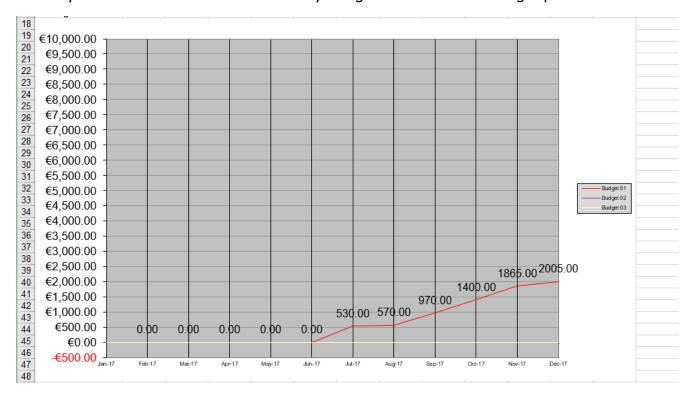


Figure: Cash Flow Analysis Chart

Finally, the above Cash Flow Analysis chart shows how the budget balance grows during the budget period.

#### Introduction

The Acemoney Spending by Subcategories report is one of the main reports in Acemoney which helps you monitor your finances. Each report rows represent a subcategory with a total amount. If you double click on a report line, you will be presented with a list of transactions for the selected subcategory.

The first two steps in this tutorial take you through the download of transactions from your bank and subsequent import into Ace Money Lite. The succeeding steps, takes you through the categorising of transactions and creation of Subcategories Report and Chart.

#### <u>Step 1 – Download transactions from your bank</u>

All of the leading banks in Ireland, provide the facility to download recent and past transactions from your bank accounts. But not all banks provide a transaction file in the Microsoft Money (OFX) format, which is the format required for this activity. So, check your online bank and see if it is supported. If not, then there is a sample file available in the following shared folder for you to use...

#### **PC Tutor Activity Files**

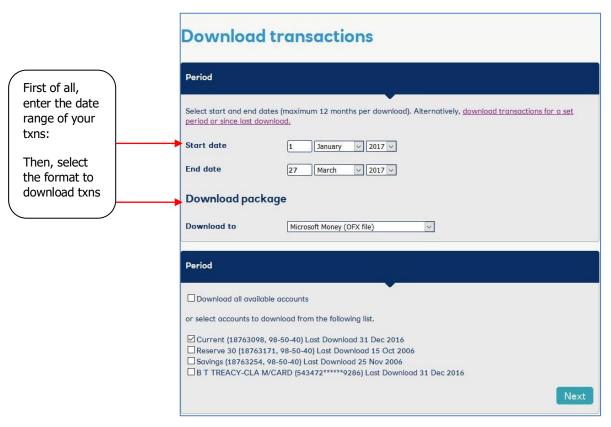


Figure 1 – Ulster Bank Download transactions screen

Once you enter the above information, click on the Next button and the Confirmation screen below will be displayed...

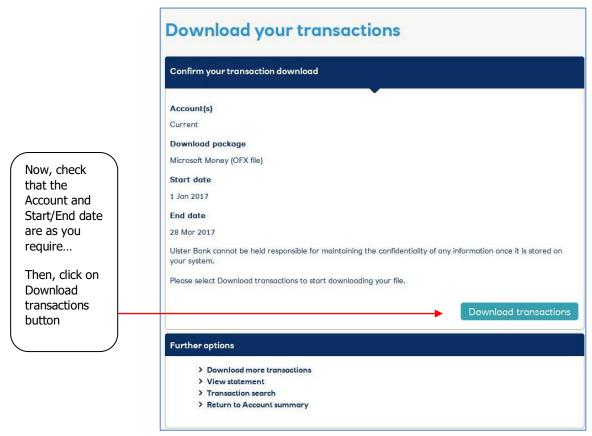


Figure 2 – Download Confirmation Screen

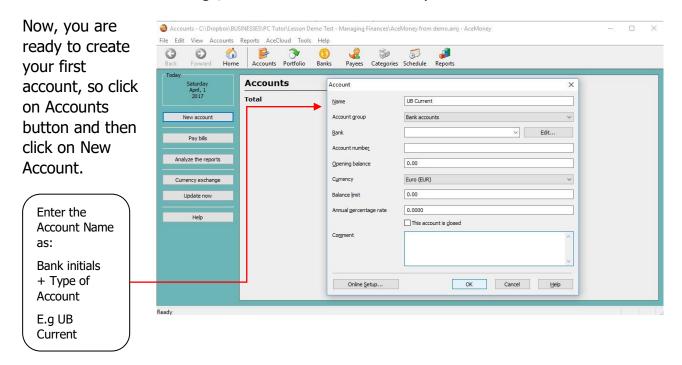
The file of transactions in Microsoft Money (QFX) format will be downloaded to the your 'Downloads' folder.

#### Step 2 – Import Transactions into Ace Money Lite

First of all, download the Ace Money Lite free version from the following website:

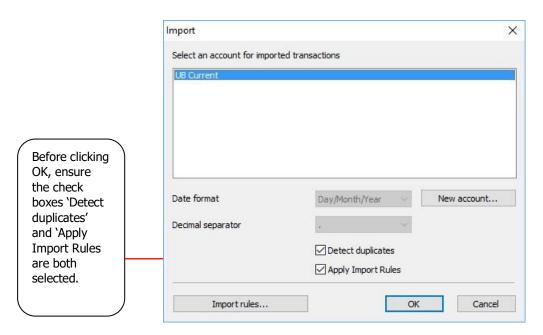
#### http://www.mechcad.net/

Once you install the software on your computer, you should then choose the menu option: Tools/International Settings, and set the Default Currency to Euro.

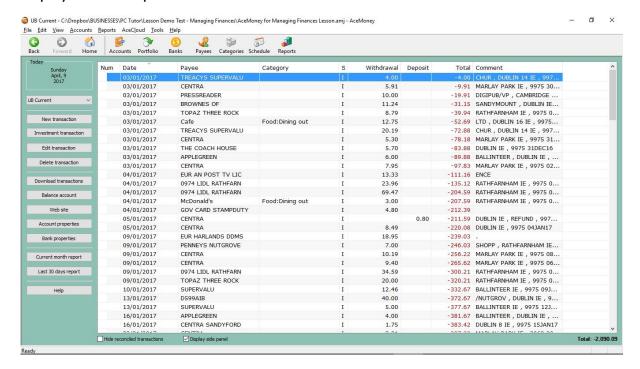


#### Figure 3 – Create New Account screen

We are now at a point where we can import the Current A/c Transactions file. Select the option: File/import, and then open the file you downloaded from your online bank (or open Current-20170331.ofx if using PC Tutor Activity File).



Now, click on the Accounts button, and the click on UB Current, and the screen below will be displayed with imported transactions listed...



#### Step 3 – Add Categories to Imported Transactions

You may notice on the list of imported transactions above, that the Category is blank in most cases. This will need to be set for all transactions that are to be included in the Spending by Categories report, which is the end goal of this activity.

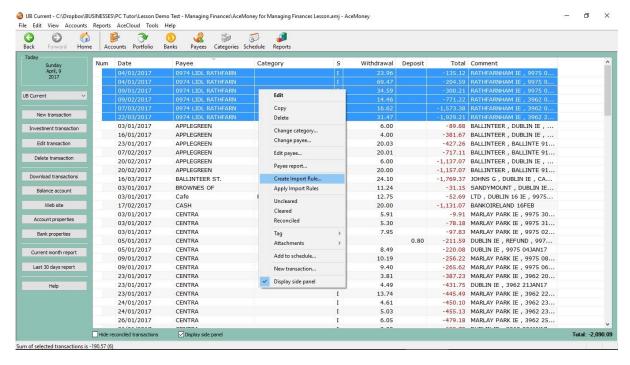
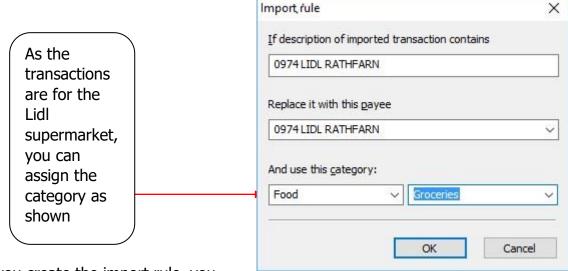


Figure 4 – Account Transaction Screen

Now, sort the imported transactions by Payee by clicking on the Payee Column Heading and then select transactions for '0074 Lidl Rathfarnham' - by clicking on the first entry and then holding down shift-key and clicking on last entry.

Before you apply a Category to transactions, you will have to create an Import Rule, so right click on selected transactions and select 'Create Import Rule'.



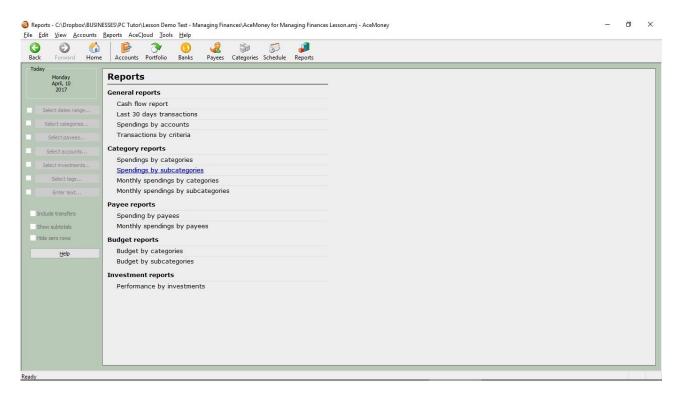
After you create the import rule, you

should then right-click on the selected transactions again, and select 'Apply Import Rule'. You will then see that the Category will be applied to the selected transactions.

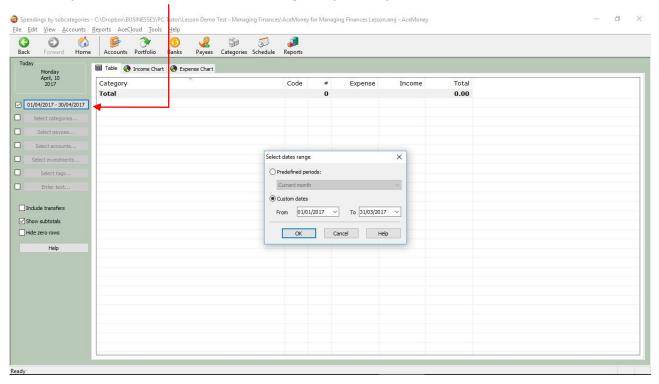
Before going on to next step, you should apply a Category to all imported transactions.

#### Step 4 – Produce Spending by Subcategories Report and Chart

On the main screen, click on the Reports button to display the screen below...

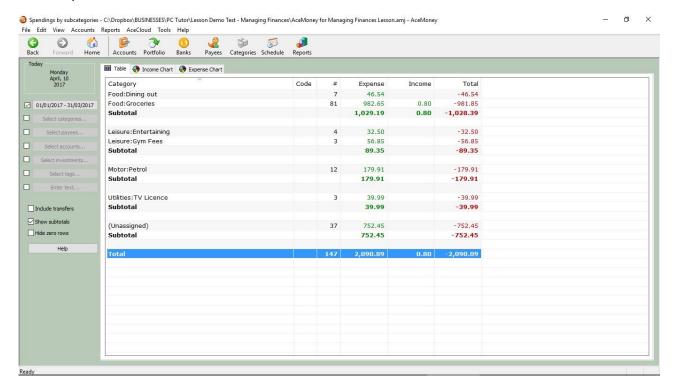


Click on 'Spending by subcategories' as highlighted above and then click on the date range in left side-panel and set it to the date range of your imported transactions.

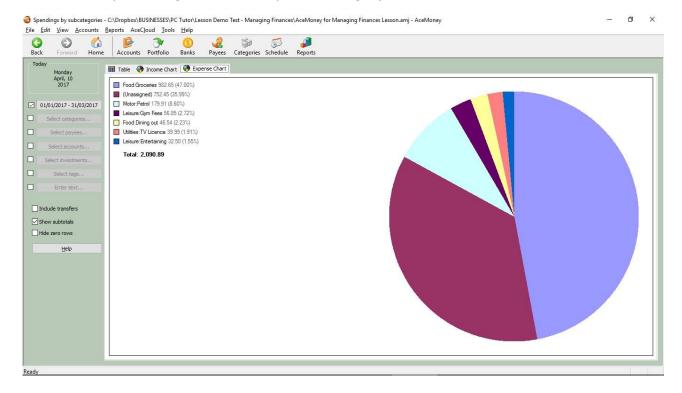


In the case of the sample transactions file, the date range is from `01/01/2017' to `31/03/2017' – as shown above.

Once you set the date range above and click OK, the following tabular report will be displayed. You can click on any of the Categories to display the individual transactions which make-up the subtotal amount.



If you click on the Expenses Chart tab, the screen below will be displayed showing the amount and percentage for each Expense Category.



Step 5 – Add password and Save file

Finally, go to menu option tools/options and set the Password so that your financial transactions are kept private.

Note: For advice on choosing Personal Finance Software like AceMoney Lite used in above activity, see section <a href="https://example.com/appendix 1 - Tips for Choosing Budgeting Software">https://example.com/appendix 1 - Tips for Choosing Budgeting Software</a>

#### 4) PAYING BILLS ONLINE



Online bill pay saves you time and eliminates the hassle of writing out a cheque, addressing an envelope, mailing the payment and filing the papers. With electronic statements and billing, all you have to do is set up your account online and you are on your way to easy and convenient management of your account.

Online statements allow you to easily review past bills online in one centralised location. Furthermore, paying

your bill online means there is no chance your payment will become lost in the mail and since most payments are posted to your Utility provider within 3 days, you reduce the chance of late fees or penalties.

#### ONLINE BANKING

The first step to avail of online banking is to register with your bank either online or by giving them a phone call. The registration process is quite straightforward when you have an existing current account. Once registered, you will typically be given a Registration number and Personal Access Code (PAC) which you can use to access Online Banking.

#### Benefits of Online Banking include:

- Easy-to-use
- Online account & credit card statements available
- Bank securely 365 days a year
- Customer Service Advisers are available for non-routine transactions

#### Typical features available:

- Check your account transactions & balances
- View your eStatements and eFee Advices
- Make payments to Utility Services and other Payees
- Create Standing Orders and Manage Direct Debits
- Transfer money between accounts domestically and internationally
- Order a cheque book

#### UTILITY PROVIDERS WEBSITE

The main Household Utility Providers in Dublin include Electric Ireland for electricity and gas, Bord Gais & Flogas for gas, Vodafone, Eir, Sky & Virgin Media for Internet, TV and Phone and Panda & Greenstar for waste disposal. All of these Utility Providers have their own website where a customer will be given access to an online account with the following benefits & services:

Benefits of Paying on Utility Providers website include:

- Easy-to-use
- Online bills available for printing (e.g for Proof of Address to open Bank a/c)
- Pay securely 365 days a year
- Credit Card accepted (which is not the case with mybills.ie)

#### Typical features available:

- View your current service provider account
- View your bills from the past 12-18 months
- Edit your contact & bank details
- Submit meter readings (where relevant e.g Electric Ireland, Bord Gais etc)
- Make debit/credit card payments or set-up direct debit online

#### MYBILLS.IE

Mybills.ie is a website provided by An Post, that allows you pay over 100 billers including major utility providers, charities and online catalogues using your debit card or bank account. Credit cards are not currently accepted, presumably to discourage people from borrowing to pay regular bills – this could be a serious drawback for people who always pay their credit card bills in full.

Benefits of Paying Bills on Mybills.ie include:

- Easy-to-use
- Pay securely 365 days a year
- Run by reputable state company i.e An Post
- Manage all your bills on a single website

#### Actual features available:

- Pay multiple bills in one step while showing a running total on screen
- Bill Payment History by single or group of bills
- Scheduled Payments so you can pay regular bills when income is available in your account
- Payment Flexibility to pay a portion of a bill with a view to paying the remaining balance at a later stage.

See more at :-

http://www.anpost.ie/AnPost/mybills.htm

#### DUBLIN CITY COUNCIL PAYMENTS

See the website below:-

http://www.dublincity.ie/main-menu-services-housing-apply-mortgage/pay-your-bills

#### SAFE ONLINE PAYMENTS

Before you type your card details into a website, check that the site is secure. Look out for a small padlock symbol in the address bar (or elsewhere in your browser window) and a web address beginning with https:// (the s stands for 'secure').

You also need to check that the website is trustworthy. Here are a few suggestions for ways in which you can reduce the risk of using a fraudulent site:

- Be suspicious of offers that seem too good to be true. This could indicate that a site might be selling illegal or pirated items.
- If you're not familiar with the website, you could ask family members, friends or colleagues for their opinion. They might be able to offer you alternative recommendations.
- You could also do an internet search to see if the site you are investigating is mentioned favourably on sites you already trust.

For more information about buying online, check out these websites...

https://www.ccpc.ie/consumers/shopping/buying-online/

https://www.eccireland.ie/fags/shopping-online/

## 5) COMPARISON WEBSITES

If you type "price comparison website" into any search engine and you will be presented with scores of sites promising to save you money on everything from your broadband and phone to travel insurance. While many of the sites are automated and just trawl other websites to collate pricing information in real time for people too busy to do the research themselves, there are also a growing number of personalised services which use real interaction to find people better value for money.

The first area where money can be saved is utility bills. A couple of years back, hundreds of thousands of Irish people cleverly made the Big Switch and moved from ESB to Bord Gáis Energy (both previously Irish state owned), which was promising to undercut the one-time monopoly by as much as 20 per cent. People made the change and then thought the job was done and they would be able to avail of the savings for ever, but after the year-one discounts were gone, the providers quickly switch consumers back to the higher rate – so what people need to do is shop around all the time.

#### ACTIVITIES - COMPARISON WEBSITES



Compare broadband offers in your local area

Compare broadband offers in your local area by using accredited websites below, and decide on which option offers lowest price and unlimited download capacity.

www.bonkers.ie

www.switcher.ie



Compare Mortgages to Find a Lower Interest Rate

Compare mortgages at the CCPC website below and decide if you are a first time buyer or if you are a likely mortgage switcher.

www.ccpc.ie/consumers/financial-comparisons/mortgage-comparisons/

#### **MYGOVID**

<u>www.mygovid.ie</u> gives Irish citizens a secure "single sign on" to their public services. It is built on the Public Services Card, linking a 'real word' identity to an online identity. It can already be used to access Revenue's 'myAccount' services and 'MyWelfare.ie' online services from the Department of Social Protection.

MyGovId provides users with a safe secure online identity for Irish government services. A MyGovId account will act as a secure "single sign on" identity for multiple online government services across a variety of government and public sector organisations.

Users can already access a range of social welfare services and Revenue's "MyAccount" service using a MyGovID account. Eventually, all government online services will migrate to the secure MyGovID platform.

See more in press release from 23<sup>rd</sup> March 2017: <u>www.per.gov.ie/ga/government-launches-mygovid-a-safe-secure-online-identity-for-government-services-in-ireland/</u>

Besides the <u>www.mygovid.ie</u> website mentioned above, here is a list of the main Irish government websites:

#### **Irish Government Information Portal**

www.gov.ie/en

**myAccount** enables you to access PAYE services (including Jobs and Pensions), Local Property Tax, Home Renovation Incentive and many more services using a single login and password. You can also update your personal details, review your tax affairs, make payments and apply for certain tax reliefs and incentives.

www.ros.ie/mvaccount-web/home.html

**MyWelfare** website can be used for a variety of services including application services, jobseeker's services, request payment statements and booking appointments for allocation of Personal Public Service Numbers and Public Services Cards.

www.mywelfare.ie

**MABS** is the Irish State's money advice service, guiding people through dealing with problem debt for more than twenty years.

www.mabs.ie

And finally, here is a website that needs no introduction... www.revenue.ie

# Activity 3a Calculate Income Tax Payable

Calculate your income tax payable by referring to revenue website to find out tax credits and standard rate cut-off point, and then checking it corresponds with amount deducted each week/month from your wages/salary.

See the following websites for guidance...

www.citizensinformation.ie/en/reference/case studies/case study calculating your income tax case studies.html

www.revenue.ie/en/tax/index.html

#### APPENDIX 1 - TIPS FOR CHOOSING BUDGETING SOFTWARE

#### **Flexible Budget Categories**

Be sure the budgeting software you are considering has flexible categories that you can edit, delete or add to. Avoid budget software that locks you into a default set of income and expense categories.

#### **Income and Expense Fluctuations**

If you need to work with fluctuating income, it is very important that the budgeting software does not require you to enter the same monthly amount for income.

#### **Envelope Budgeting**

Envelope budgeting is a great way to work with fluctuating expenses. Software with an envelope budgeting feature rolls unused funds in spending categories forward to the next month. Envelope budgeting software should also automatically distribute salary payments among the budget envelope categories so that you know how much each month what can be spent from each envelope.

The strength of envelope budgeting is that it forces you to stay in touch with spending habits because once the money is gone from an envelope, you can't spend from that category until the envelope is replenished by the next salary payment.

#### **Budget Reports**

You should be able to determine how well you are following your budget on a monthly, quarterly and annual basis. If you plan to monitor your spending very closely, be sure the software offers weekly <u>reports</u>. Basic budget reports show the budgeted amount, actual spending and the difference between the two.

#### **Budget Security**

Data encryption is a must if you enter account numbers or other identifying information into the budget software or if you import transactions from your online bank account.

#### **Analyse your Data**

Most budgeting software will let you export your data to a CSV file or another file format that can easily be read by spreadsheet software.

#### **Easy Budget Set-up**

Because you will not set up new budgets frequently, ease of set up in budgeting software is not as important as other aspects are. You do not want budgeting software that is difficult to set up either.

#### **Budget Scenarios**

If you want to experiment with budgeting scenarios, be sure that <u>what-if scenarios</u> or saving an existing budget while editing a copy is supported.

What-If scenarios are used to examine how spending, saving or investing money will affect your finances in the future. For example, buying a new car may seem perfectly affordable right now, but plugging income and expenses into a what-if scenario can reveal that the auto loan payment will put your financial plan into the red.

Some examples of personal finance events used in what-if scenarios:

- different loan packages
- monthly income decreases or increases
- paying off a debt early
- refinancing to a loan with a lower interest rate
- college tuitions
- buying a smaller home during retirement years
- reducing transportation costs
- Holiday options
- wedding options

#### See more at :-

http://financialsoft.about.com/od/budgetingsoftware/tp/How to Choose Budget Software.htm