



ACTIVITY 1

UNDERSTANDING WHAT YOU READ

Read the content for this topic then answer the following questions to see how much you understand about what you read.

1. What are pumpkins traditionally carved in to during Halloween?
2. What date is Halloween?
3. *True or False* – Halloween originates from an ancient festival known as Winhas.
4. What did the Gaels believe the deceased would do when they came back to life?
5. Traditionally what did people do to ward off roaming spirits?
6. In the Halloween poem, what prowled about?
7. Why did the Celts put out food during Samhain?
8. Why did people disguise themselves?
9. What vegetable was carved into a lantern by Jack the farmer?
10. What can you do to pumpkin seeds to make them into a snack?



ACTIVITY 2

CARVING IT UP

Here are some tips on how best to carve a pumpkin but the steps have been mixed up. Can you put them into the correct order?

Rub all cut pumpkin edges with petroleum jelly to keep it fresh longer.

Carve from dot to dot to cut out the pattern shapes. This requires adult supervision. Push out the pieces as you go.

Scoop out the seeds and pulp from inside the pumpkin using a large spoon or ice-cream scoop.

Place candle or tea-light inside pumpkin and secure to bottom with hot wax.

Draw your design onto paper and tack or tape it onto the pumpkin.

Draw a line for the lid then cut along it with a sharp paring knife.

Use a skew to poke holes into the pumpkin along the design lines.





ACTIVITY 3 WRITE A POEM

Personification is a form of language in which something that's not human is given human characteristics. Complete the poem

If I were a pumpkin...

I would taste _____
 I would be full of _____
 I would like to _____
 I'd want _____
 I would feel _____

If I were a pumpkin...

I would _____
 I would wish _____
 I would love _____
 I would listen _____
 I would _____



ACTIVITY 4 WORDS AT WORK

In Wordy News this week we defined the word **GHOULS** which was used in the following way: **Grizzly ghouls take over regional gallery**



Words that rhyme with GHOUL

Fill in the missing words in the sentences below using words that rhyme with GHOUL.

The water in the _____ will make you feel _____ on a hot day.

The _____ at _____ is to raise your hand to speak.

_____ look like a _____ if you don't dress up on Halloween.

The carpenter used a _____ to fix up the _____.

A diamond is a _____ that many people _____ over.

It was _____ to laden the _____ with a heavy load and expect the animal to walk up the steep mountain.

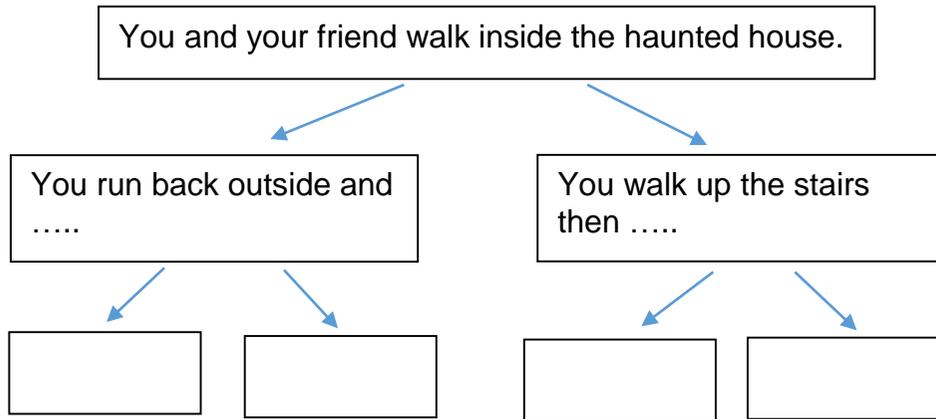
It will be interesting to see _____ battle it out in the _____.



ACTIVITY 5 CHECK IT OUT You choose

There are a number of books that allow the reader to make choices that determine the main character's actions and the plot's outcome. The stories are formatted so that, after a couple of pages of reading, the reader is faced with two or three options, each of which leads to more options, and then to one of many endings.

Complete the flow chart for this 'choose your own adventure story'.



Write an ending for each scenario.



ACTIVITY 6 NEWS IN THE SPOTLIGHT

GLOWING FINGERPRINTS TO FIGHT CRIME

This is the media release from the CSIRO about the new fingerprinting technique they have developed.

Circle the most important facts.

A CSIRO scientist who had his home broken into has developed a new crime scene identification technique to help fingerprint criminals. By adding a drop of liquid containing crystals to surfaces, investigators using a UV light are able to see invisible fingerprints "glow" in about 30 seconds. The strong luminescent effect creates greater contrast between the latent print and surface enabling higher resolution images to be taken for easier and more precise analyses.

The research was published in the *Advanced Materials* journal today. CSIRO materials scientist Dr Kang Liang believes that this technique could be used for more challenging evidence where conventional 'dusting' is not appropriate.

"While police and forensics experts use a range of different techniques, sometimes in complex cases evidence needs to be sent off to a lab where heat and vacuum treatment is applied," Dr Liang said.

"Our method reduces these steps, and because it's done on the spot, a digital device could be used at the scene to capture images of the glowing prints to run through the database in real time."

CSIRO's study shows that tiny crystals rapidly bind to fingerprint residue, including proteins, peptides, fatty acids and salts, creating an ultrathin coating that's an exact replica of the pattern.

"Because it works at a molecular level it's very precise and lowers the risk of damaging the print," Dr Liang said.

CSIRO tested the method on nonporous surfaces including window and wine glass, metal blades and plastic light switches, with successful results.

Fingerprint identification has been used as a key method by law enforcement and forensic experts for over 100 years. Adding CSIRO's method to the mix could save valuable time, costs and enhance investigations.

"When my house was broken into I saw how common practice fingerprinting is for police," Dr Liang said.

MOF crystals have a number of benefits in that they are cheap, react quickly and can emit a bright light. The technique doesn't create any dust or fumes, reducing waste and risk of inhalation.

The method could have other valuable applications including new biomedical devices and drug delivery.