



# WRITING TIME

**Adventures in handwriting**

■ practice book ■

*Queensland Modern Cursive*



## Inventions and Discoveries

Imagine life without cars, phones or medicine! Scientific research, inventions and discoveries have enhanced our quality of life.



**Exits to Pointed Entries:** Trace and copy these joins and words relating to inventions. Remember, the exit extends to a pointed entry while your pencil remains on the page.

*a i → a i → a i*

*ai aj ap au av aw ay ci cu cy di du dw dy*

*ei ej ep eu ev ew ey hi hu hy ip iu iv ki ku*

*kw li lp lu ly mi mp mu my ni np nu ny*

*ti tu tw ty ui up uv uy xi xp xu xy*

*invent science computer medicine injection help*

*penicillin discover history scientist botany many*

**Fine Motor Skills:** Dr Karl is a scientist. Design a crazy lab coat for him. Fill it with test tubes, beakers and magnets or any other 'sciencey' items!



**Print to Cursive:** Find the most important points in this passage and write them as dot points in your best cursive handwriting.

Penicillin, one of the most influential drugs in the world, was discovered almost by accident. In 1928, Alexander Fleming, a professor at St. Mary's Hospital in London, was growing disease-causing bacteria in petri dishes. After he returned from holidays, he looked carefully at the dishes before throwing them away. To his surprise, he noticed mould growing in one dish. This mould had created a bacteria free ring around itself. He concluded that the mould had produced a substance that killed bacteria. He named this substance penicillin. Fleming and his colleagues tried to purify penicillin but failed. It was not until 1940 that Australian scientist Howard Florey and Ernst Chain from the University of Oxford developed a successful way to extract and purify the drug. Since then penicillin has saved millions of lives and has become the most widely used antibiotic in the world.

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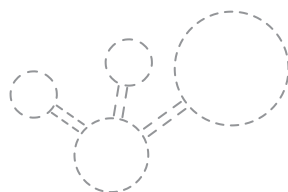
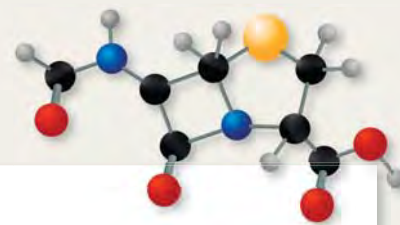
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**Fine Motor Skills:** Penicillin is an antibiotic used to help treat bacterial infections. Look at its fascinating molecular structure. Draw and colour your own imaginary molecular structure or copy this one.



**Copying Chunks:** Copy this passage about the invention of the telephone.

Imagine life without a phone! The phones we use today have come a long way since the telephone was first invented in 1876 by Alexander Graham Bell. At first it was known as an “electrical speech machine” and the first famous words ever spoken over the telephone were by Mr Bell to his assistant Thomas Watson in the next room, “Mr Watson - come here - I want to see you.”

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**Printing:** Choose from the list below and match each inventor with their invention. Print neatly.

- pasteurised milk
- the telephone
- penicillin
- Keular
- the assembly line
- text for the blind
- spray on skin
- (bullet-proof material)

- Alexander Graham Bell
- Henry Ford
- Fiona Wood
- Louis Braille
- Stephanie Kwolek
- Alexander Fleming
- Louis Pasteur

Build 3 more interesting words from these base words.

<i>invent</i>	<i>invention</i>	<i>inventor</i>	<i>invented</i>
<i>experiment</i>			
<i>research</i>			
<i>discover</i>			
<i>improve</i>			
<i>study</i>			
<i>develop</i>			
<i>create</i>			

Copy these words. Focus on the exits to rounded entries.

*invention scientific botanist discovery antibiotic*

*infection beaker bunsen burner chemical tripod*

**Fine Motor Skills:** A Rube Goldberg machine performs a very simple task in a very complex fashion. Named after an American cartoonist, these inventions often include ropes and pulleys, chain reactions and quite a bit of silliness. Design your own Rube Goldberg machine below to crack and fry an egg.



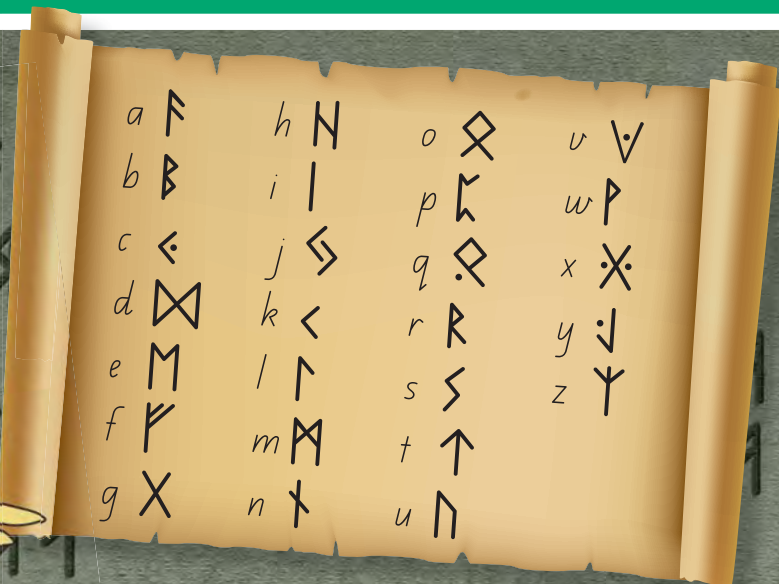
**Reflection**

Rate your handwriting on this page.

- Excellent  
  Very good  
  Satisfactory  
  Developing

### Rune Code

Using the rune key, write your name. Then write a secret code for your friends to decipher.



Name:

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Secret Code:

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