

Building Foundations That Last
First Grade Informative Model Planning Form

Date: April

Quarterly Benchmark: 4th Quarter

Topic: Time Saving Invention - Velcro

Audience: 1st Grade Researchers

Standards & Curriculum Connection:

CCSS 1.W.2 – Informative Writing & CCSS 1.W.7 – Shared Research

CCSS 1.RI.5 – Uses Text Features to Locate Key Facts & 1.RI.10 – Read Informational Text

Reach – Unit 7 – Then and Now

Grammar – Conjunctions / **Vocabulary** – invent, modern

Phonics – Word with /er/, /ir/, /ur/ **High Frequency Words** – call, also

Resources – ROYO #27 – *Everyday Inventions*, Leveled Reading selections and online resources

Process

- Uses an organized plan to include I/B/C
- Plans with words and graphics
- Uses a variety of sources

Surface Features

- 6-8 sentences
- Uses knowledge of more complex letter/sound relationships
- Uses a variety of ending punctuation

Content

- Writing is sequential and matched to plan
- Writes detailed factual information relevant to topic
- Uses transition words

Introduction

- Hike in the woods
- Time saving invention - Velcro



Body
Invantor

- George de Mestral
- Swiss engineer
- 1940



Invention History

- Hiking - noticed tiny burs
- Examined - hook and loop structure
- Invented modern fasteners



Benefits/Uses

- Time saver – shoes, clothes
- Strong, long lasting, washable



Interesting Facts

- Used by NASA – spacesuits
- 2-inch square – holds 175 pounds



Conclusion

- Ordinary inspires extraordinary

The Writing:

Did you know that a simple hike in the woods was the beginning of a time saving invention?

In 1940, a Swiss engineer named George de Mestral was hiking when he noticed tiny burs collecting on his pant legs.

Through closer examination with a microscope, he noticed the hook and loop structure of the bur.

George de Mestral used the unique design of the bur to invent modern fasteners that we call Velcro.

Velcro can save us time with putting on shoes and clothes.

Plus, Velcro is strong! Just a tiny 2-inch square can hold up to 175 pounds.

Velcro is also used by NASA on spacesuits.

You never know when an ordinary experience will inspire an extraordinary invention!