8th Grade Passages

Between BOY and MOY Student Packet

Passage 1 Laura

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Passage 3 The Return of the Boomerang

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Laura

Laura Ingalls Wilder is a famous author. She wrote children's books about pioneer life in the late 19th 9 Century. Laura was born in 1867 in a log house in 18 29 Wisconsin. She was the second daughter of Charles and Caroline Ingalls. Laura had an older sister 37 45 named Mary. They were very close. The Ingalls family moved frequently. They went wherever their 53 father could find a job. Shortly after Laura's birth, 60 the family moved to Missouri. A few years later, 69 they moved to Kansas to start their own farm. A 78 third daughter, Carrie, was born there. When Laura 88 96 was 13, they left Kansas and returned to Wisconsin 105 to be near family.

The girls were happy to be there, but their father longed to farm again. So, four years later, in 1874,

129 the family moved to Walnut Grove, Minnesota. They built a house and farmed the land. The three 136 girls had many adventures there. But the family 146 suffered many tragedies as well. During their 154 161 first year there, Charles had grown a good wheat crop. It was destroyed by grasshoppers. This was 170 repeated the next year as well. The family was 178 blessed by a baby boy in 1875, but he died of an 187 illness at only 9 months. The family suffered yet 199 another tragedy when Mary lost her eyesight as a 208 result of a stroke. That same year, Charles took a 217 job with the railroad. They moved to De Smet in 227 237 the Dakota Territories. When the railroad job was finished, they acquired some land. He began to 245 farm again. A harsh winter made farming difficult 253 that first year. But they persevered and were able 261 to save enough money to send Mary to a school for 270 the blind. 281

- When Laura was 15, she earned her teaching 283 certificate. She began teaching at a small school 291 several miles from her home. It was at this time 299 that she met a farmer named Almanzo Wilder. They 309 318 married three years later. They had a healthy baby girl named Rose. They had many misfortunes as 327 well, however. Severe storms ruined their crops. 335 This forced them into debt. Almanzo worked hard 342 350 in the fields, but he got sick and became crippled. 360 During this time, Laura was pregnant with their second child. He died shortly after birth, unnamed. 368 Soon after, their house burned down when 376 something in the kitchen caught fire. 383
- The family then moved to Florida, where the
 warm conditions improved Almanzo's health. They
 eventually returned to De Smet. But, in 1894, they
 relocated to Missouri. Here they would spend the
 rest of their lives. They bought a farm there and
 prospered.

Laura was a great storyteller. Her daughter Rose 431 convinced her to write her stories so that other 439 children could enjoy them too. Laura did so. In all, 448 she wrote seven children's books. These comprised 458 her Little House series. They have been widely 465 read and admired. She and Almanzo spent the rest 473 of their lives at their Missouri farm. Laura died in 482 1957, at the age of 90. Their farm is now open for 492 people to visit. 504 507

The King's Gold

The king's castle was only a day's walk from the
edge of the forested mountains. Everyone who
lived in the area had heard stories of the king's
great wealth. One morning the king woke to find
that many of his gold coins were missing. He
immediately summoned every guard and soldier in
his castle.

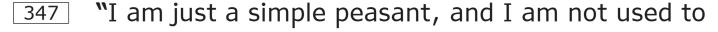
"Search the countryside!" demanded the king.

"Some of my gold has disappeared, and I want
the thief brought to justice. I will greatly reward
the one who brings me the wrongdoer." The room
quickly cleared as every guard and soldier left to
find the quilty person.

- One of the castle guards went to search the king's cocoa plantation. He angrily questioned dozens of workers as they snipped ripe cocoa pods from the trees. Then he marched over to two men who were breaking open cocoa pods and placing the beans in
- 145 baskets.
- "What are you doing?" the guard asked the first man, who sat quietly next to his basket.
- "I am opening cocoa pods," he answered. "I am
 weak, so it takes me a long time to fill one basket.

 I cannot move about as quickly as my partner."
- "I see," snapped the guard. He watched the second man moving busily from one basket to the next and slipping cocoa beans into his pockets. "These two baskets are completely filled with beans. And your pockets are quite heavy."

- "It takes several hundred beans to make a pound of
- chocolate, so I must work quickly," the second man
- said, nervously moving away from the guard.
- "Not so fast," the quard ordered. "Empty
- your pockets!" The man followed the quard's
- instructions, and hundreds of cocoa beans spilled to
- the ground.
- "You thief!" the guard shouted. "How dare you steal
- the king's cocoa beans!"
- "No, please listen. There are not enough baskets,"
- 303 the man stammered. "I don't want to stop working,
- 312 so I often fill my pockets with beans until the
- wagon comes. Then I empty everything and begin
- 330 again.**"**
- "I find your methods extremely questionable," said
- the guard. "And you're as jumpy as a cat."



- being questioned by guards," the man replied.
- Just then the guard spotted a gold coin lying on the
- ground between the two men. "Aha! This proves it!"
- shouted the quard as he picked up the coin. "Come
- with me, thief," he demanded. "The king will want
- to know where you've stashed the rest of the gold."
- The guard left hastily with the second man. The
- quard was eager to receive the great reward the
- 433 king had promised.
- The first man watched until the two men had
- vanished into the distance. Then he stood up and
- slowly walked away, careful not to spill the heavy
- qold coins he had hidden in his pockets.
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The Return of the Boomerang

Nothing says "Summer is here!" quite like the smack of a baseball as it is caught in a baseball 8 glove. But what if no one is available to play catch? 19 30 Then maybe it's time to trade in the baseball and glove for a boomerang. Over the past decade 40 boomeranging has become increasingly popular. 48 All over the world, this activity is capturing the 53 interest of young and old. Even those who have 62 seen a boomerang still marvel that a curved stick 71 can circle back to the person who threw it. 80 89 Boomerangs have been around for thousands of years. Many peoples, including the ancient 95 Egyptians, the people of southern India, and the 102 Hopi Indians, used throwing sticks that were similar 110 to boomerangs. But it was the natives of Australia, 118

- known as Aborigines, who developed the amazing returning version. The Aborigines used boomerangs for hunting and as digging tools.
- 146 It wasn't until the mid-1800s that people began to study the scientific principles behind 153 boomerang flight. Perhaps one reason it took so 160 long to understand the science of boomerangs is 168 that not all boomerangs fly in exactly the same 176 185 way. Because early boomerangs were made by hand, it was virtually impossible to produce two 192 boomerangs with exactly the same wing surface. 200 The ability of all boomerangs to return results 207 essentially from two scientific principles. 215
- The first of these principles is that the shape
 and curve of a boomerang produce lift. Much like
 airplane wings, a boomerang is flat on one side and
 curved on the other. As air flows over the slope
 of the curved surface of the boomerang's wing, it

forces the curved edge upward. At the same time, the air flowing under the wing's flat surface pushes it up from the bottom. The result of these forces is lift. Thus, the principles of aerodynamics can be applied to the boomerang to help understand its flight.

The second factor affecting the boomerang's ability 313 320 to return is that it spins like a gyroscope. A good 331 example of a gyroscope is a toy top. Tops are easily set to spinning, but once spinning, they are very 342 351 hard to move. In fact, if pushed while spinning, a gyroscope will twist at a right angle from the 360 direction in which it was pushed. For instance, a 370 spinning top pushed to the north will actually tilt to 379 389 the east. When a boomerang is thrown, the force of the lift causes it to turn toward one side rather 398 than straight up. As it spins and moves forward, air 409 flows faster over the top surface of the boomerang 419 and gives it more lift. This extra lift tries to twist 428

- the boomerang off course. Since it is spinning very
- fast, the boomerang begins turning away from
- the twisting force. As a result, it arcs back to its
- thrower with relative exactitude.
- Just because a well-designed boomerang can
- return nearly to its point of origin does not mean
- that it automatically does so. Learning to throw
- a boomerang so that it will return is a challenge.
- 505 Catching a boomerang spinning at speeds of up
- 513 to 60 miles per hour takes even more practice.
- 522 For anyone who masters the art of throwing
- 530 and catching a boomerang, playing catch with a
- 538 baseball may have forever lost its thrill.

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