



Year 4 Comprehension 9: The School Science Fair



Once upon a time, in a bright and bustling school, there was a group of Year 4 students named Emma, Tom, and Mia. They were best friends and shared a love for science. Their school was abuzz with excitement as the annual science fair approached.

One sunny morning, the three friends gathered in Emma's backyard, determined to come up with an amazing project for the science fair. They brainstormed ideas under the shade of a towering oak tree. Suddenly, Tom had a brilliant idea.

"What if we create a volcano that actually erupts, just like a real one?" he exclaimed.

The idea was met with enthusiastic cheers from Emma and Mia. They began researching how to make a volcano model and gathered materials like clay, cardboard, and paint. Emma's mom, who was a science enthusiast herself, lent a hand and guided them through the process.

Days turned into weeks as the friends worked tirelessly on their project. They sculpted the volcano out of clay, carefully shaping it to resemble a mighty mountain. They constructed a cardboard base and painted it with vibrant colours to mimic a lush landscape.

The most exciting part was creating the eruption. They mixed baking soda and vinegar inside the volcano, and when they added a few drops of red food colouring, it looked just like molten



lava. The volcano erupted in a spectacular display of fizzing bubbles and red "lava" flowing down its sides.

Their volcano model was a masterpiece, and they were filled with pride. But they wanted to take it a step further. They decided to create an educational presentation to explain the science behind volcanoes to their classmates and teachers.

The day of the science fair arrived, and Emma, Tom, and Mia proudly set up their volcano display. When it was their turn to present, they explained how volcanoes worked, the types of volcanoes, and the importance of studying them. Their presentation was a hit, and everyone watched in awe as their volcano erupted.

The judges were equally impressed with their project and knowledge. Emma, Tom, and Mia were awarded first place in the science fair, and they received a shiny blue ribbon. They were overjoyed and shared celebratory high-fives.

But the best part was that they had so much fun working on their project together. They realized that science was not only exciting but also a great way to learn and make new discoveries. The friends left the science fair with their heads held high, knowing that they had created something truly special and had shared their passion for science with everyone.

From that day on, Emma, Tom, and Mia continued to explore the wonders of the scientific world, always looking forward to the next science fair and the opportunity to share their love for science with others.



Multiple Choice Questions

1. What grade level are Emma, Tom, and Mia in?

- A) Year 1
- B) Year 4
- C) Year 7
- D) Year 9

2. What is the name of the school science fair?

- A) The Great Experiment
- B) The Amazing Invention Showcase
- C) The Annual Science Spectacular
- D) The Magnificent Science Fair

3. How did Tom come up with the idea for their science fair project?

- A) He found it in a book.
- B) He saw it on TV.
- C) It came to him in a dream.
- D) He heard it from a friend.

4. What materials did they use to create their volcano model?

- A) Plastic and metal
- B) Clay, cardboard, and paint
- C) Wood and glass
- D) Paper and markers



5. How did they make the volcano erupt?

- A) They used real lava.
- B) They used vinegar and baking soda.
- C) They used a remote control.
- D) They used magic.

6. What colour did they use to make the "lava" for their eruption?

- A) Blue
- B) Yellow
- C) Red
- D) Green

7. What did the friends want to create in addition to their volcano model?

- A) A time machine
- B) A rocket
- C) An educational presentation
- D) A robot

8. What did they explain during their presentation at the science fair?

- A) How to bake cookies
- B) The science behind volcanoes
- C) Their favourite books
- D) How to play soccer



9. What did they receive as a reward for their project at the science fair?

- A) A shiny blue ribbon
- B) A new computer
- C) A trophy
- D) A science book

10. What did the friends learn from their experience at the science fair?

- A) Science is boring.
- B) Science is only for adults.
- C) Science is exciting and fun to share.
- D) Science is too difficult for kids.



Short Answer Questions

1. Who are the main characters in the story?

2. What was the annual event that the school was excited about?

3. Where did Emma, Tom, and Mia gather to brainstorm ideas for the science fair?

4. What idea did Tom come up with for their science fair project?



5. How did the friends react to Tom's idea for the science fair project?

6. What materials did the friends gather to create their volcano model?

7. Who helped the friends with their science fair project?

8. What was the most exciting part of creating their volcano model?



9. What did the eruption of their volcano model look like?

10. What did the friends want to do in addition to creating the volcano model?



Answer Key

Multiple Choice Questions

1. B) Year 4
2. C) The Annual Science Spectacular
3. C) It came to him in a dream.
4. B) Clay, cardboard, and paint
5. B) They used vinegar and baking soda.
6. C) Red
7. C) An educational presentation
8. B) The science behind volcanoes
9. A) A shiny blue ribbon
10. C) Science is exciting and fun to share.

Short Answer Questions

1. The main characters in the story are Emma, Tom, and Mia.
2. The school was excited about the annual science fair.
3. They gathered in Emma's backyard to brainstorm ideas for the science fair.
4. Tom came up with the idea of creating a volcano model that could erupt like a real volcano.
5. The friends reacted with enthusiastic cheers and excitement to Tom's idea.
6. The friends gathered materials like clay, cardboard, and paint to create their volcano model.
7. Emma's mom, who was a science enthusiast, helped the friends with their science fair project.
8. The most exciting part was creating the eruption by mixing baking soda and vinegar inside the volcano.
9. The eruption of their volcano model looked like molten lava flowing down the sides of the volcano.
10. In addition to creating the volcano model, the friends wanted to create an educational presentation to explain the science behind volcanoes.



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