

The First Birthday Party Ever! Study Guide.

Overview

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AUDIENCE (Readers)

The First Birthday Party Study Guide will be developed based on several age groups to best allow for progressive understanding and interest retention.

- Infant through 4 Years
- 5 Years through 9 Years
- Over 9 Years

GENERAL UNDERSTANDING

Questions are designed to determine how each group understood the storyline, what impressions were made by each character and the relationships formed between the various characters and the audience. The concept behind “The First Birthday Party” is simple and easy to comprehend within each age group.

Introducing the birthday concept using dinosaurs allows children to grasp that it happened long ago, millions of years ago, when the earth was populated by dinosaurs of all sizes and shapes.

Science is introduced to the young audience utilizing volcanoes spewing molten lava, dark smoke clouds and gray ash. Reality is emphasized by way of earthquakes, which rumble and shake, bumping a dinosaur egg out of the nest and rolling down the long neck and back of a huge dinosaur ultimately bouncing into a cake batter.

SCIENTIFIC & TECHNICAL QUESTIONS

Questions are designed to explore the science of paleontology (the study of prehistoric life), mineralogy and earth science. Audience members will learn how dinosaurs and other ancient lifeforms adapted to their surroundings and developed relationships throughout time.

MATHEMATICAL & ENGINEERING QUESTIONS

Questions are formulated to test and enhance mathematical and/or engineering skills utilizing dinosaurs and their ancient environment to enable audience members to learn new and increasingly difficult concepts and skills.

ANTICIPATED RESULTS

Upon completion of the study guide materials, students in each audience bracket are intended to have developed the desire to continue learning about the subject material and move forward to the next level.

Although not developed at this time, the concept of achievement awards for satisfactory completion of the Study Guide is anticipated. These awards would be designed to encourage continued participation in the STEM process.

FOLLOWUP COMPANION WORKBOOKS

Develop workbooks for each audience that will expand on the science of geology to create a desire for additional independent research into fossil animals and plants throughout the geologic timescale. Additional workbook series are contemplated based on other sciences such as astrology, biology, and chemistry. First Birthday Party characters will be utilized to illustrate these other sciences and create a common thread for the series.

It is anticipated that additional books are going to be created to follow-up on “The First Birthday Party”. Characters from the initial book will be utilized to create a continuous transition into new horizons and learning levels. Ultimately Archie and other characters will expand into other holidays and situations to create continued audience anticipation and the desire to learn.



The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

1. How many balloons are on the cover of The First Birthday Party Ever!?
 - a. 6
 - b. 3
 - c. 7
 - d. 2

2. What are the colors of the balloons on the cover of The First Birthday Party Ever!?
 - a. Yellow, red, green & purple
 - b. Orange, blue, green
 - c. Red, yellow, & pink
 - d. Brown, green, orange

3. How many dinosaurs are on the cover of The First Birthday Party Ever!?
 - a. There are 4
 - b. There are 7
 - c. There are 9
 - d. There are 2

4. Who does this copy of "The First Birthday Party Ever!" book belong to?
 - a. Child's name _____

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

5. How many eggs are in the nest?

- a. 6
- b. 5
- c. 4
- d. 3

6. What is the family of dinosaurs in the nest called?

- a. Brontosaurus
- b. Pterodactyls
- c. Triceratops
- d. Albertosaurus

7. What sound did the volcano make?

- a. Pop! Pop! Pop!
- b. RUUMMBLE & Ka Boom!
- c. Crunch!
- d. Swish!

8. How many feet did the large egg fall?

- a. 37.5 Feet
- b. 100 Feet
- c. 1000 Feet
- d. 7 Feet

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

9. Where did the egg hit the Brontosaurus?

- a. Its back
- b. Its head
- c. Its neck
- d. Its tail
- e. All of the above

10. What amusement park ride did the egg go on?

- a. Ferris wheel
- b. Wild roller coaster ride
- c. Bumper cars
- d. Log ride

11. What color is Trudy?

- a. Green
- b. Red
- c. Purple
- d. Brown

12. What did the egg come through?

- a. Kitchen window
- b. Bathroom window
- c. Bedroom window
- d. Front door

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

13. What type of dinosaur is Trudy?

- a. Triceratops
- b. Brontosaurus
- c. Pterodactyls
- d. Albertosaurus

14. Once the egg landed in Trudy's bowl of cake batter, what happened to it?

- a. It began to hatch
- b. Trudy cooked it
- c. It bounced away
- d. It flew away

15. What is the shape of the egg?

- a. Oval
- b. Round
- c. Square
- d. Triangle

16. What was in the egg?

- a. A squirrel
- b. A baby Pterodactyl
- c. A hamburger
- d. A baby fish

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

17. What did Trudy name the baby Pterodactyl?

- a. Freddie
- b. Archie
- c. Jackie
- d. Bobby

18. How much time passed for Archie to get bigger?

- a. 30 Days
- b. A full year
- c. A half of one year
- d. One month

19. How many days are in a year?

- a. 365 Days
- b. 735 Days
- c. 100 Days
- d. 30 Days

20. What did Trudy try to help Archie learn to do?

- a. Swim
- b. Fly
- c. Jump
- d. Skip

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

21. Why was Archie sad?

- a. He could not learn to fly
- b. He lost his toy
- c. He was tired
- d. He wanted a balloon

22. What color is Archie?

- a. Green
- b. Blue
- c. Grey
- d. Orange

23. What color is Filbert?

- a. Orange
- b. Purple
- c. Green
- d. Blue

24. Filbert is what type of dinosaur?

- a. Albertosaurus
- b. Brontosaurus
- c. Pterodactyls
- d. Triceratops

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

25. What was the day that Archie's egg hatched called?

- a. Swim Day
- b. Birthday
- c. School Day
- d. Monday

26. What did Filbert want to call Trudy and himself?

- a. Party Pals
- b. Funny Pals
- c. Monkey Pals
- d. Cookie Pals

27. What items did Filbert find for the party?

- a. Shoes, shirts, pants, balloons
- b. Hats, horns, cake and balloons
- c. Apples, oranges, bananas
- d. Marbles, toys, markers and socks

28. Did Trudy make a cake?

- a. Yes
- b. No

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

29. What did Filbert have a vision of for the first birthday party ever!

- a. Cake, balloons, horns, gifts, and more
- b. Onions, peppers, salt and cheese
- c. Liver and brown spinach
- d. A box of puppies

30. What are Rexton and Albert called?

- a. Bad dinosaurs
- b. Party poopers
- c. Party Pals
- d. Both (a) and (b)

31. What color is Rexton?

- a. Blue
- b. Red
- c. Orange
- d. Purple

32. What color is Albert?

- a. Blue
- b. Green
- c. Red
- d. Yellow

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

33. What did Rexton call him and Albert?

- a. Friends
- b. Party Poopers
- c. Scouts
- d. Good Guys

34. Who did Filbert ask to help with the party?

- a. Corey & Big Choo Choo
- b. Albert
- c. Rexton
- d. The "Party Poopers"

35. What does Corey do?

- a. Cook
- b. Music DJ
- c. Fly
- d. Play tennis

36. What does Big Choo Choo do?

- a. Bake cakes
- b. Storytelling to music
- c. Play games
- d. Knit

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

37. What did Big Choo Choo say Archie might be able to do instead of flying?

- a. Fly
- b. Dance
- c. Swim
- d. Run

38. What did Big Choo Choo and Cory tell Archie they might do?

- a. Go fishing
- b. Take a nap
- c. Have lunch
- d. Hangout with Rexton & Albert

39. Why do people take naps?

- a. To rest, rebuild energy and to feel better
- b. To have a clear mind
- c. To heal the body
- d. All of the above

40. How does Archie look after speaking with Corey and Big Choo Choo?

- a. Happy
- b. Sad
- c. Mad
- d. Bad

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

41. When Archie was sitting on the log, who did he hear talking?

- a. Albert and Rexton
- b. Big Choo Choo
- c. Filbert
- d. Trudy

42. What color and type of plants are next to the log?

- a. Lilies
- b. Red spotted mushrooms
- c. Crab-Grass
- d. Rocks

43. What special talent does Albert have?

- a. He won the hot dog eating contest
- b. He can change colors
- c. He is really a frog
- d. He is Filbert's brother

44. Archie tried to fly but ended up _____ to Trudy's house?

- a. Swimming
- b. Running
- c. Flying
- d. Dancing

The First Birthday Party Ever! STEM PROGRAM COMPREHENSION EVALUATION

45. Trudy had to quickly devise a plan to do what?

- a. Go shopping
- b. Trick Rexton and Albert
- c. Play Cricket
- d. Chew gum

46. What type of cake did Trudy make for the "Party Poopers"?

- a. Vanilla
- b. Chocolate
- c. Mud
- d. Butter

47. Can you count further than Rexton?

- a. One
- b. One, two, three...
- c. One, two, three, four, five
- d. One, two

48. When Rexton & Albert jumped out of the bushes, what did Trudy pretend to be?

- a. Happy
- b. Scared
- c. Sleep
- d. Tired

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49. What did Rexton and Albert eat?

- a. Hot dogs
- b. Burgers
- c. Mud cake
- d. Cake

50. What did everyone shout at the surprise party?

- a. Goodbye
- b. Happy Birthday
- c. Hello
- d. Greetings

51. What did Archie do at the very first birthday party?

- a. Fly
- b. Dance
- c. Swim
- d. Sleep

52. How many balloons and rocks are at Archie's party?

- a. 1 balloon and 1 rock
- b. 7 balloons and 13 rocks
- c. 5 balloons and 50 rocks
- d. 100 balloons and 3 rocks

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53. How many dinosaurs are at Archie's Party on the final page?

- a. Seven
- b. Sixteen
- c. Twenty-five
- d. One hundred

54. What is the mission of the Party Pals?

- a. To join the party poopers
- b. To celebrate all birthdays in a special way
- c. To go to sleep
- d. To make children sad

55. When is your birthday?

- a. Child's Birthday _____