

**2011-2012**



**Senior  
PACK  
#1**

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<b>TEAM #</b>	<b>vs . TEAM #</b>
<b>TEAM NAME:</b>	<b>TEAM NAME:</b>

**SENIOR SCHOOLREACH – 2011-2012  
PACK #1**

HOST. Welcome to SCHOOLREACH. I'm \_\_\_\_\_ your quizmaster for this game between [school #1] \_\_\_\_\_ and [school #2] \_\_\_\_\_. In this match, we have [player #1] \_\_\_\_\_, [player #2] \_\_\_\_\_, [player #3] \_\_\_\_\_, [player #4] \_\_\_\_\_ of [school #1] \_\_\_\_\_ pitted against [player #1] \_\_\_\_\_, [player #2] \_\_\_\_\_, [player #3] \_\_\_\_\_, [player #4] \_\_\_\_\_ of [school #2] \_\_\_\_\_.

We'll play three rounds of questions, with a minute break between each round. Now, if the scorekeeper is ready, let's begin ROUND ONE OF SCHOOLREACH!

**40-POINT SNAPSTART TO ROUND ONE**

1. In what play does Petruchio woo Katherina, a man-hater, in order to allow her sister Bianca to be married?  
A. "THE TAMING OF THE SHREW"
2. What man invented infinitesimal calculus independent of Isaac Newton, causing a rift between British and Continental mathematicians?  
A. GOTTFRIED LEIBNIZ
3. Who wrote "The Fountainhead" and "Atlas Shrugged"?  
A. AYN RAND
4. Jonathan Hillstrand, Andy Hillstrand, and Sig Hansen announced their departure from what Discovery Channel show in 2010, only to rescind that decision approximately six weeks later?  
A. DEADLIEST CATCH

**30-POINT OPEN QUESTION – OPENING WORDS**

5. In the movies, James Bond commonly introduces himself with which six words?  
A. "MY NAME IS BOND, JAMES BOND"
6. What is the title of the Christmas melody that begins with the line, "Chestnuts roasting on an open fire"?  
A. "THE CHRISTMAS SONG"
7. What are the first three words of the preamble of the U.S. Constitution?  
A. WE THE PEOPLE

**40-POINT TEAM QUESTION**

In this two-part TEAM QUESTION, whichever team is first to answer correctly the ten-point SCRAMBLE QUESTION in PART ONE, is then eligible for the remaining ten-point questions in PART TWO.  
PART ONE. Scramble for ten points.

8. The term "gumshoe" is slang for what occupation?  
A. DETECTIVE

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PART TWO. The remaining questions deal with detectives  
SCORE TEN POINTS FOR EACH CORRECT ANSWER.

9. What two detective characters first appeared in the book “The Tower Treasure”, and subsequently in 65 additional stories, such as “Hunting for Hidden Gold”, and “While the Clock Ticked”?
- A. FRANK AND JOE HARDY (accept HARDY BOYS)
10. What detective, played in a recent film by Robert Downey, Jr, was impersonated by an android in a Star Trek: The Next Generation episode?
- A. SHERLOCK HOLMES
11. What kids’ detective series, about orphans who find a hospitable relative and solve mysteries like “The Snowbound Mystery”, was written by Gertrude Chandler Warner?
- A. THE BOXCAR CHILDREN

#### 20-POINT SPECIAL – ROMANCE LANGUAGES

12. Give any two of the French, Italian, and Spanish definite articles (masculine forms) all derived from the Latin word “ILLE”, the masculine form of “that”.
- A. LE, IL, and EL respectively (Any two).

#### 40-POINT OPEN QUESTION – SECRET IDENTITIES

Given the real name of a fictional hero, what is his secret identity?

13. Alec Holland
- A. SWAMP THING
14. Eel O’Brian
- A. PLASTIC MAN
15. Jason Blood
- A. THE DEMON
16. Jerry O’Connell as Andrew Clements in the cult Canadian show “My Secret Identity”
- A. ULTRAMAN

#### 80-POINT ASSIGNED QUESTION – PHYSICS

Here is an ASSIGNED QUESTION in which each member of the each team is assigned a ten-point question. If you miss your question, then your counterpart on the opposing team will have a chance at it for ten points. I’ll give you a relation or equation in Physics or Astronomy, and you identify the Law it represents.

##### TEAM A

17.  $F = K \frac{q_1 q_2}{r^2}$  (F equals K times q-one times q-two divided by r-squared)
- A. COULOMB’S LAW
18.  $F = ma$  (F equals m times a)
- A. NEWTON’S SECOND LAW
19.  $\oint \mathbf{B} \cdot d\mathbf{l} = \mu_0 I_{enc}$  (The line integral of B dl equals mu-zero times the current enclosed)
- A. AMPERE’S LAW

20.  $v = H_0 d$  (v equals H-zero times d)

A. HUBBLE'S LAW

### TEAM B

21.  $\oint E \cdot dA = \frac{q}{\epsilon_0}$  (The line integral of E dA equals q divided by epsilon-zero)

A. GAUSS' LAW

22.  $P^2 \propto a^3$  (Period squared is proportional to the quantity "a" cubed)

A. KEPLER'S THIRD LAW OF PLANETARY MOTION.

23.  $U = Q - W$  (U equals Q minus W)

A. FIRST LAW OF THERMODYNAMICS

24.  $F = \frac{Gm_1m_2}{d^2}$  (F equals G times m one times m two divided by d squared)

A. NEWTON'S LAW OF UNIVERSAL GRAVITATION

### 40-POINT SNAPOUT TO END THE ROUND

25. Finnish scientists have postulated that the recent lack of what fixture of Scandinavian winters is due to a smaller-than-normal solar wind?

A. AURORA BOREALIS (acc. NORTHERN LIGHTS)

26. In what Nathaniel Hawthorne novel does Roger Chillingworth seek revenge on Hester Prynne?

A. THE SCARLET LETTER

27. What Dutch artist painted "The Ghent Altarpiece" and "The Arnolfini Wedding"?

A. JAN VAN EYCK

28. What body of water drains into the Saint Claire River and receives water from Sault Ste. Marie?

A. LAKE HURON

### ONE-MINUTE BREAK TO ROUND TWO

### 40-POINT SNAPSTART TO ROUND TWO

29. What mathematical theorem means essentially that any and all functions have a minimum and maximum on a closed interval?

A. EXTREME VALUE THEOREM

30. What is the name of the novel about the Roman Empire written by Robert Graves?

A. "I, CLAUDIUS"

31. What set of medieval Latin, French, and German poems inspired a cantata by Carl Orff, the most famous movement of which is "Fortuna Imperatrix Mundi," also known by its first two words, "O Fortuna?"

A. CARMINA BURANA

32. Which mathematician, in grade school, summed all the integers from one to one hundred in under a minute by separating numbers into pairs that themselves summed to one-hundred and one, then multiplying by fifty?

A. CARL FRIEDRICH GAUSS

#### 40-POINT OPEN QUESTION – ABBREVIATIONS

33. The acronym NSA stands for what federal service of the United States?  
A. NATIONAL SECURITY AGENCY
34. The word “laser” is an acronym. What does the “a” stand for?  
A. AMPLIFICATION (Light Amplification by Stimulated Emission of Radiation)
35. The California city, once called “El Pueblo de Nuestra Senora la Reina de Los Angeles del Rio de Poricuncula”, is better known by what abbreviation?  
A. LA
36. During the sinking of the Titanic, what abbreviation was used as a signal of distress?  
A. SOS

#### 40-POINT WHAT AM I?

37. This question is worth 40 points if you guess the answer on the first clue and 10 points less with each succeeding clue, until either team answers the question correctly.

CLUE A: I was first isolated by Sir Humphry Davy in 1808, using electrolysis. WHAT AM I?

CLUE B: I have a silvery gray colour and have a high level of reactivity with air. WHAT AM I?

CLUE C: My metal is soft and easily cut. WHAT AM I?

CLUE D: I am the element with the atomic number 56 and my chemical symbol is Ba. WHAT AM I?

- A. I AM BARIUM

#### 30-POINT OPEN QUESTION – ANCIENT ROME

38. Which African nation was annexed by Rome after the deaths of Antony and Cleopatra?  
A. EGYPT
39. In legend, what kind of animal saved the infant twins Romulus and Remus, who later founded Rome?  
A. WOLF
40. Name one of the two Roman emperors who ruled during the lifetime of Jesus.  
A. AUGUSTUS (OR OCTAVIAN) AND TIBERIUS

#### 30-POINT OPEN QUESTION – BELMONT

41. Besides the Belmont Stakes, name one of the two other races that make up the American Triple Crown?  
A. THE KENTUCKY DERBY or THE PREAKNESS STAKES (One of these)
42. What Shakespearean comedy partly takes place in the fictional island kingdom of Belmont, as well as in the city of the title?  
A. THE MERCHANT OF VENICE
43. What early sitcom actress started her career with brown hair and the name Diane Belmont?  
A. LUCILLE BALL

#### 40-POINT OPEN QUESTION – LOGIC

44. What is the contrapositive of the statement “If I buy fish, it will rain?”  
A. IF IT DID NOT RAIN, THEN I DID NOT BUY FISH
45. What Boolean gate, also called an “inverter,” produces the opposite of the input as the output?  
A. NOT GATE
46. What are the first two words of the logical fallacy which assumes that because something occurred after something else, it was caused by that thing?  
A. POST HOC (... ERGO PROPTER HOC)
47. What form of mathematical proof is designed to highlight a contradiction in premise and result, thereby proving the opposite of the premise?  
A. INDIRECT PROOF

#### 20-POINT OPEN QUESTION – THE COMICS

48. In the comic strip “Hi and Lois”, Lois’ brother is involved in the US armed forces and is the main character of what other comic strip from the same creator?  
A. “BEETLE BAILEY”
49. The concept of Sadie Hawkins Day was actually introduced in what comic strip set in Dogpatch?  
A. L’IL ABNER

#### 40-POINT TEAM QUESTION

In this two-part TEAM QUESTION, whichever team is first to answer correctly the ten-point SCRAMBLE QUESTION in PART ONE, is then eligible for the remaining ten-point questions in PART TWO.

PART ONE. Scramble for ten points.

50. . What popular Elton John love song was featured in the Walt Disney animated feature “The Lion King”?  
A. CAN YOU FEEL THE LOVE TONIGHT

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PART TWO. The answers to the remaining questions deal with cheesy love songs.

SCORE TEN POINTS FOR EACH CORRECT ANSWER

51. Rick Astley is famous for what song, used in the internet meme called “Rickrolling?”  
A. NEVER GONNA GIVE YOU UP
52. Which duo had a 1965 hit with the extra-cheesy love song, “I Got You Babe”?  
A. SONNY AND CHER
53. What song by The Police states “I resolved to call her up a thousand times a day, And ask her if she’ll marry me in some old fashioned way, But my silent fears have gripped me, Long before I reach the phone?”  
A. “EVERY LITTLE THING SHE DOES IS MAGIC”

#### 60-POINT CHAIN SNAPPERS

54. What book of the Bible inspired the song “Turn! Turn! Turn!” by the Byrds?  
A. ECCLESIASTES

55. What book of the Bible immediately precedes Ecclesiastes?  
A. PROVERBS
56. Complete the following proverb. Beware [WHAT] bearing gifts?  
A. GREEKS
57. Thinking he was saving them, Sir Thomas Elgin removed Greek artifacts from the Parthenon and put them in what museum?  
A. THE BRITISH MUSEUM
58. The British Museum also houses what tablet with text in hieroglyphics, demotic, and Ancient Greek?  
A. ROSETTA STONE
59. What French scholar first discovered that the Rosetta Stone could be used to translate other texts, because it recorded the sounds of the Ancient Egyptian language?  
A. JEAN FRANÇOIS CHAMPOLLION

#### ONE-MINUTE BREAK TO ROUND THREE

#### 40-POINT SNAPSTART TO ROUND THREE

60. What astronomer, a major advocate of the steady-state universe, is also the noted author of “The Black Cloud”?  
A. SIR FRED HOYLE
61. The Hebrew Calendar has an extra month during leap years. What is that month called?  
A. ADAR
62. The poets John Milton and Andrew Marvell both served on the personal staff of which English ruler?  
A. OLIVER CROMWELL
63. What does the French phrase “Par avion” mean in English?  
A. BY AIRPLANE

#### 30-POINT OPEN QUESTION – CANADIANA

64. What town is home to a museum honouring a political science professor widely regarded as Canada’s greatest humorist?  
A. ORILLIA (THE HUMOURIST IS STEPHEN LEACOCK)
65. Former Prime Minister Jean Chrétien hails from what city?  
A. SHAWINIGAN
66. Located on the Columbia River, what city was originally known as “The Capital of Canada’s Alps” and later as “The Mountain Paradise”?  
A. REVELSTOKE

#### 40-POINT TEAM QUESTION

In this two-part TEAM QUESTION, whichever team is first to answer correctly the ten-point SCRAMBLE QUESTION in PART ONE, is then eligible for the remaining ten-point questions in PART TWO.

PART ONE. Scramble for ten points.

67. What annual song contest, held in May, attracts competition from over two dozen nations?

A. EUROVISION (SONG CONTEST)

PART TWO. The remaining questions deal with the Eurovision Song Contest

SCORE TEN POINTS FOR EACH CORRECT ANSWER.

68. In what manner is the host decided for each year's competition?

A. THE PREVIOUS YEAR'S WINNER

69. In the 2010 competition, which country's entry was co-written with a Canadian and came in second place?

A. TURKEY

70. What Swedish supergroup won the 1974 competition?

A. ABBA

### 30-POINT OPEN QUESTION – THE OLYMPICS

71. Winners did not receive gold, silver or bronze medals in the ancient Olympic Games. What did they receive instead?

A. OLIVE WREATHS

72. In the 20th century, four consecutive Summer Olympics were held in cities whose names start with what common letter?

A. M (Mexico '68, Munich '72, Montreal '76, Moscow '80)

73. Who is the only Canadian to win a medal in both the summer and winter Olympics?

A. CLARA HUGHES

### 40-POINT WHO AM I? QUESTION

74. This question is worth 40 points if you guess the answer on the first clue and 10 points less with each succeeding clue, until either team answers the question correctly.

CLUE A: When Henry Kissinger was being considered for Columbia professorship, I stated that, in the wake of his performance as Secretary of State, he was only fit to head a "Department of Death." WHO AM I?

CLUB B: My most famous theories concern "generative language." They state that humanity's capacity for cognition of language is innate. WHO AM I?

CLUE C: I fiercely opposed American involvement in Cambodia and also spoke up for the Khmer Rouge, which gained me political enemies. WHO AM I?

CLUE D: I am a professor emeritus at MIT, known for my denunciation of American military presence in Vietnam and the Middle East. My views have inspired the film, "Manufacturing Consent." WHO AM I?

A. I AM NOAM CHOMSKY

### 110-POINT SNAPOUT TO FINISH THE GAME



75. Which country is generally considered to be the source of the “Art Deco” style?  
A. FRANCE
76. Aestivation, a metabolic process common in some snails and other land mollusks, is similar to what life cycle stage common in many larger animals?  
A. HIBERNATION
77. Which tree’s more formal name is Acer Saccharum?  
A. SUGAR MAPLE
78. The VS-300, built by Russian engineer Igor Sikorsky in the early days of the Second World War, was the first operational American version of what type of machine?  
A. THE HELICOPTER
79. What book, written by Robert Graves, is a memoir of his experiences in World War One?  
A. GOODBYE TO ALL THAT
80. What Bronze Age Greek city, home of Agamemnon, featured the famous Lion Gate?  
A. MYCENAE
81. What British actor, aside from his voiceovers at the Monterey Bay Aquarium, is famous for his tall stature and his work alongside Terry Gilliam, Eric Idle, and Graham Chapman?  
A. JOHN CLEESE
82. Who wrote the scripts for the films “Blood Meridian”, “No Country for Old Men”, and “The Road”?  
A. CORMAC MCCARTHY
83. Who composed the opera “Don Giovanni”?  
A. WOLFGANG AMADEUS MOZART
84. Hard and semi-soft are classes of what type of dairy food?  
A. CHEESE
85. Which animal has a reputation for killing snakes and stealing eggs?  
A. MONGOOSE
86. What roleplaying game, which has since spawned a number of computer-game spinoffs and novel series, did Gary Gygax and Dave Arneson first invent under the name “Chainmail”?  
A. “DUNGEONS AND DRAGONS”

### END OF GAME

#### TIE-BREAKERS IF NECESSARY

1. Around what planet do the moons Oberon and Titania orbit?  
A. URANUS
2. What Prussian ruler’s invasion of Silesia launched the War of the Austrian Succession?  
A. FREDERICK THE GREAT (FREDERICK II)
3. Sharks and rays leave their eggs in egg cases, which have gained what nickname, based on their shape?  
A. MERMAID’S PURSES or DEVIL’S PURSES
4. What 20<sup>th</sup>-century American composer wrote “Rhapsody in Blue” and “An American in Paris”?  
A. GEORGE GERSHWIN

