



Right Stuff University

**ISIP**<sup>tm</sup>



iStation's Indicators of Progress

**C**omputerized **A**daptive **T**esting



## ***istation's Indicators of Progress - Advanced Reading***

- An entire class can complete ISIP on computers simultaneously.
- All children complete assessment in approximately 20 minutes.
- Teacher reports on ALL students are available immediately.
- Reports will allow teachers to quickly see where to direct instruction.

# Purpose of the ISIP IRT study

- To determine the psychometric properties of the *ISIP Advanced Reading* items using Item Response Theory (IRT).
- These items measure student ability in four key domains of established readers: **word analysis, vocabulary, fluency, and comprehension.**



# Study Results

- The IRT results from this study will allow researchers at SMU and istation to determine difficulty and discriminability parameters for the items.
- Allows tests to be tailored to each individual student's performance.
- The final result will be a computerized adaptive version of *ISIP*, appropriate for 4th through 10th grade students.



# Study Implementation

- There will be one SMU School coordinator at each school to monitor students and answer questions.
- The entire study at each school will take approximately:
  - Six 45-minute sessions
  - Nine 30-minute sessions
- Our schedule follows the students' schedule.
  - If sessions are missed because of holidays, assessments, field trips, etc... then we have to make them up.

# Study Sessions

## “Test Bucket”

- Comprehension: 45 sec intro + 2 passages =
  - 8 minutes, 45 seconds
- Spelling: 60 sec intro + 10 items =
  - 3 minutes, 30 seconds
- Vocabulary: 60 sec intro + 8 items =
  - 3 minutes, 40 seconds
- Fluency items will not be included in this study.
  - **Children will take “test buckets” until they have taken all assigned items.**

# Total Study Items

- ❖ Every grade will take approximately 150 spelling, 120 vocabulary, and 30 comprehension items.
- ❖ Each grade will take approximately 15 spelling, 12 vocabulary, and 3 comprehension items (10%) of the items from the grade below.
- ❖ Only third graders will take ISIP *Early Reading* items 40 spelling and 30 vocabulary items (no comprehension).

You will be tested in spelling, fluency, vocabulary and comprehension.



Select your trainer now.



LT.  
SOLARA



LT.  
HAWK

PROGRESS METER

TEST

1 | 2 | 3 | 4

Student Name

Elapsed Time: 0:00

NEXT



# SPELLING

Narrator:

**Extraordinary.** Superman has **extraordinary** powers. **Extraordinary.**

extraordinary

Narrator instructions:

Use your computer's keyboard to correctly spell each word.  
To hear the word again, click on the Repeat Word icon.

HELP

PROGRESS METER

TEST

1 | 2 | 3 | 4

Student Name

Elapsed Time: 0:00

STOP

NEXT



# Spelling

examples

## 4th Grade

achieve  
difference  
exciting  
hiking  
obeyed  
speeches  
against  
believe  
couldn't  
hospital  
oxygen  
wrecked

## 5th Grade

anticipated  
entertaining  
attention  
celebration  
information  
manufacture  
population  
regulating  
stationery  
television  
watermelon  
actively

## 6th Grade

especially  
disastrous  
protective  
recycle  
caution  
percent  
artistic  
opposite  
simply  
underneath  
gracious  
distributed

## 7th Grade

application  
authority  
discovery  
evaporate  
pedestrian  
symphony  
atmosphere  
excellence  
interfere  
opinion  
premium  
substitute

## 8th Grade

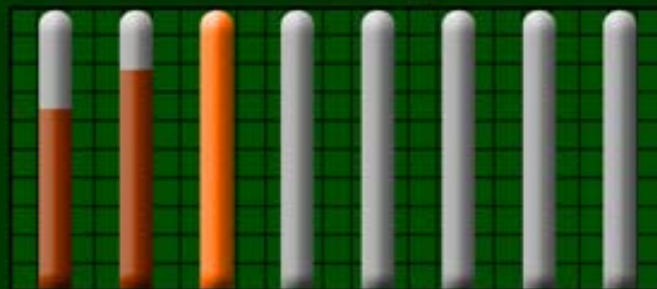
extraordinary  
occasionally  
facilitate  
mischievous  
sympathetic  
unnecessary  
presumption  
appliance  
cleanliness  
judicious  
rendezvous  
connoisseur

# SPELLING

Immediate feedback from Datapod

The goal is to score higher each time you're on a mission.

spelling



1 2 3 4 5 6 7 8



PROGRESS METER

TEST

1 2 3 4

Student Name

Elapsed Time: 0:00



NEXT

Narrator:

Click on the word that best completes the sentence.

Not many people can all say by they have been to the moon. \_\_\_\_\_ this, I didn't know anyone \_\_\_\_\_ could say that. My name is Jack \_\_\_\_\_ I'm getting ready to change all \_\_\_\_\_. I just moved to the \_\_\_\_\_ with my family. I'm happy to \_\_\_\_\_ we'll be living here for at \_\_\_\_\_ three years. This is the most \_\_\_\_\_ thing I've ever done. Both my \_\_\_\_\_ are scientists who happen to work \_\_\_\_\_ the moon. They have had strange

**You will have two and a half minutes to read as much as you can.**



PROGRESS METER  
 TEST  
 1 | 2 | 3 | 4  
 TIME

Student Name \_\_\_\_\_  
 Elapsed Time: 0:00



# VOCABULARY

to move from one place to another

migrate

irrigate

rummage

dehydrate

Blast the asteroid which is most similar in meaning to the definition above.



PROGRESS METER

TEST

1 2 3 4

Student Name

Elapsed Time: 0:00



NEXT

# Vocabulary

4th Grade

contextual

Some plants are dormant in the winter but start growing in the spring.

- A. period of growth  
 C. green and leafy

- B. in a state of rest  
 D. producing flowers

definition

a long period without rain

- A. pollution    B. monsoon

- C. drought    D. steam

synonym

magnify

- A. enlarge    B. argue    C. return    D. correct

picture



- A. continent  
 C. mound

- B. ocean  
 D. volcano

contextual

A big convention was held in the hotel across the street.

- A. constellation  
 C. lecture

- B. meeting**  
 D. custom

definition

to move from one place to another

- A. migrate**    B. rummage    C. dehydrate    D. irrigate

synonym

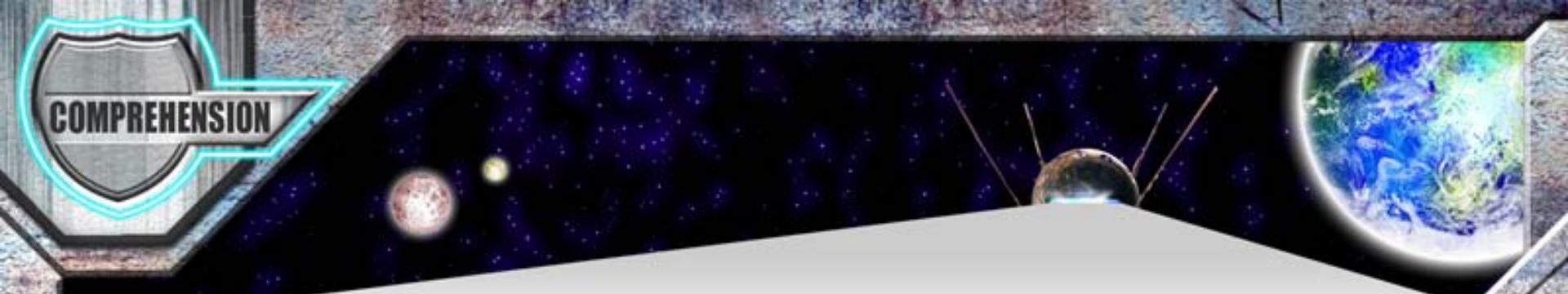
conceal

- A. reveal    B. contain    C. survive    **D. hide**

picture



- A. skin    B. limb  
**C. ligament**    D. muscle

**COMPREHENSION**

Pecos Bill was born long ago into a pioneer family. He was a strong and very active baby. That may be why he became separated from his family. Luckily for Bill, a coyote found and raised him.

Pecos Bill learned a lot from his coyote family. Finally, though, he set out on his own. Bill captured a mountain lion and rode it across the mountains. When he arrived at a ranch, he let the mountain lion go and settled down for a while.

Back in those days, ranchers had a hard time catching cattle to raise. Bill wanted to help, so he invented the lasso. Using this rope tied with a hoop in the end, he caught thousands of cattle for his rancher friends. Pretty soon, he had caught so many that he had no time for him to move on.

**Read carefully so that you can remember what you have read.**

It was one day that he caught a cow named Slewfoot Sue. Bill and his adventures. Believe it or not, Bill used his lasso to pull Sue



PROGRESS METER

TEST

1 2 3 4

TIME

Student Name

Elapsed Time: 0:00



NEXT





COMPREHENSION

What is the main idea of the story?

A

Pecos Bill's life was full of adventures.

B

Slewfoot Sue and Pecos Bill got married.

C

Pecos Bill traveled to the moon.

D

Pecos Bill was raised by a mountain lion.

PROGRESS METER

TEST

1 2 3 4

HELP

Student Name

Elapsed Time: 0:00

STOP

NEXT

# Comprehension

## Main Idea

**What is the main idea of the story?**

- A. Pecos Bill's life was full of adventures.
- B. Slewfoot Sue and Pecos Bill got married.
- C. Pecos Bill traveled to the moon.
- D. Pecos Bill was raised by a mountain lion.

## Problem / Outcome

**How did Bill survive when he got lost from his family?**

- A. He went to live with a cattle rancher.
- B. Slewfoot Sue raised him.
- C. He was raised by a coyote.
- D. Bill made ropes for a living.

# Comprehension

## Inference

**Why did Bill move on after he had caught all the cattle in Texas?**

- A. He wanted to find his coyote family.
- B. Slewfoot Sue wanted him to go to the moon.
- C. He had finished helping his rancher friends.
- D. He needed to find a job in the city.

## Critical Judgement: Drawing Conclusions

**From the passage, what is the best way to describe Pecos Bill?**

- A. He was lazy and liked to sleep a lot.
- B. He was handsome and tall.
- C. He was a mean rancher.
- D. He was an adventurous pioneer.

## *Author*



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