Intelligent Tutor and Scores

Introduction

The Intelligent Tutor now has scores and Tutor messages that students can see in their Study Records provided that the Tutor option is enabled for that class in the *Records Manager*.

The purpose of this document is to give a brief introduction of the scoring system and to answer important questions regarding the introduction and use of this new system.

As a first remark, and warning, please note that for students who have already been studying DynEd courseware, we advise that the Tutor option *for students* be *disabled*, so that students not be allowed to see their scores and Tutor comments. This is because in many cases their study scores would be very negative and discouraging, and it would be difficult for them to quickly improve those scores because of their past study records.

We recommend that the Tutor option be enabled only for new students and for students at an appropriate age and maturity level to benefit from this scoring system. With the Tutor option enabled at the beginning of study, students can immediately build a positive score and thereby improve the quality of their practice sessions.

What is the Intelligent Tutor?

The Intelligent Tutor combs through and analyzes student study records. It makes judgments about how well and how often students are using DynEd courses. It looks at study frequency, study activities, test scores, and comprehension. It also looks for negative study patterns, such as inappropriate use of text support when developing listening comprehension.

What do the Study Scores mean?

The range of scores *varies* somewhat from course to course. However, for most courses, the following chart is a guide:

Excellent	+5	+12	A
Good study	+2	+4	B
Fair study	-1	+1	C
Poor study	-4	-2	D
Very poor	-12	-5	F

A student with a positive score of +5 in *New Dynamic English*, for example, is studying efficiently. There is still room for improvement, but such a score means that the student is doing very well and should show good proficiency gains. The Tutor comments that accompany the score will indicate what the student is doing well and what, if anything, they need to improve.

A student with a negative score of -5 in *Dynamic Business English*, for example, is not studying efficiently. This student needs coaching. Again, the Tutor comments will indicate what the student needs to do to improve their study score for that course.

Tutor Messages

Tutor messages viewable by the student *if the Tutor option is enabled* are indicated by *HEAD_S* and *MSG_S*. Tutor messages viewable by the teacher in the Records Manager are indicated by *HEAD_T* and *MSG_T*.

HEAD refers to the abbreviated heading first seen when clicking on the Tutor button. MSG refers to the more detailed message when the Details button is clicked.

HEAD_T	too much text button compared to repeat button (-1) or (-2)
HEAD_S	Too much text button. It seems you are using the text button too much.
MSG_S	Looking at the text too soon interferes with listening comprehension development. Try to listen and repeat the sentence several times before you check the text.
MSG_T	To improve listening comprehension, listen to each sentence several times before looking at the text.

HEAD_T	not using voice record enough compared to the number of sentences heard (-2)
HEAD_S	It seems you are not recording your voice enough.
MSG_S	Recording your voice is an important learning strategy. Try recording several sentences during each study session. Listen to yourself and compare your recording with the native speaker.
MSG_T	Recording each sentence and comparing it to the native speaker helps develop fluency, pronunciation, and long-term memory.

HEAD_T	not repeating sentences enough compared to the number of sentences heard (-2)
HEAD_S	Please use the repeat button more.
MSG_S	To improve your listening comprehension, listen and repeat the sentences often.
MSG_T	Listen to each sentence several times. Listen to the phrases and key words in each sentence.

HEAD_T	not monitoring student's recorded voice enough in Speech Recognition lessons (-1)
HEAD_S	In Speech Recognition exercises, listen and compare your own voice to the native speaker.
MSG_S	To improve your pronunciation, listen to your speed, stress and intonation and key phonemes.
MSG_T	Students should use the Headphone button to compare their speech to the native speaker.

HEAD_T	too little time on presentation lessons (-2)
HEAD_S	Please study the Presentation lessons more. Focus on the key sentences and master them.
MSG_S	After you understand all of the sentences in the presentation lessons, practice saying them and recording them until you feel confident. You should also be able to confidently summarize all of the information in the presentation lessons.
MSG_T	These lessons should be studied many times, first for comprehension, and then practiced for fluency.

HEAD_T	not enough glossary use compared to text button (0)
HEAD_S	It seems you are not using the Glossaries enough.
MSG_S	For additional information and examples, click on the hi-lighted words in the text when you click on the text button.
MSG_T	The Glossaries give additional information and examples of important language points.

HEAD_T	too much use of translation (-2) (-3)
HEAD_S	Try not using the translation button so often.
MSG_S	Use the Repeat button to listen to each sentence and think about the meaning. Use the pictures and other clues to help you.
MSG_T	Use the pictures and context to guess the meaning before using the Translation button.

HEAD_T	study too infrequent (-2)
HEAD_S	Please try to study more often.
MSG_S	Frequent practice is the key to language learning. Try to study at least 3-4 times per week.
MSG_T	Students should study at least 3-4 times per week. Frequent study sessions are most effective.

HEAD_T	not monitoring student's recorded voice enough after recording sentences (-1)
HEAD_S	After recording your voice, listen and compare your own voice to the native speaker.
MSG_S	To improve your pronunciation, listen to your speed, stress and intonation and important phonemes.
MSG_T	Comparing one's speech to the native speaker should be done several times each day.

HEAD_T	good use of repeat button (2)
HEAD_S	Good use of the repeat button. Please continue to listen carefully.
MSG_S	To improve your listening comprehension, listen and repeat the sentences often.
MSG_T	Frequent repetition is the key to language learning.

HEAD_T	low Mastery Test score(s) (-2)
HEAD_S	Your Mastery Test scores are too low. Please practice and review the lessons more.
MSG_S	When reviewing the lessons, repeat each sentence and practice saying each sentence.
MSG_T	Most students should score 90 or more if they have studied the lessons effectively.

HEAD_T	Mastery Tests are taken too soon (-2)
HEAD_S	It seems that the students are taking the MT before they have studied enough.
MSG_S	The MT average for this class is only V01% It should be over 90%.
MSG_T	Most students should score 90 or more if they have studied the lessons effectively.

HEAD_T	not repeating sentences enough after using voice record (-1)
HEAD_S	Not listening to your voice enough. Compare your pronunciation to the native speaker.
MSG_S	After recording your voice, use the Headphone and Repeat buttons to listen and compare your own voice to the native speaker.
MSG_T	Comparing one's speech to the native speaker should be done by using the Headphone and Repeat buttons.

HEAD_T	not taking Mastery Tests (-2)
HEAD_S	Please ask your teacher about taking the Mastery Tests.
MSG_S	Mastery Tests are available for this course.
MSG_T	Mastery Tests are available for this course.

HEAD_T	too much glossary use compared to repeat button (-1)
HEAD_S	
MSG_S	
MSG_T	Use the text and Glossary buttons only after listening to a sentence several times.

HEAD_T	not enough study time in the last 2 weeks (-2)
HEAD_S	Please try to study at least 2 hours per week.
MSG_S	Without more practice, your progress will be very slow.
MSG_T	Students should study at least 2 hours per week.

HEAD_T	no study in the last 2 weeks (-2)
HEAD_S	You haven't studied in the last 2 weeks.
MSG_S	Without more practice, your progress will be very slow.
MSG_T	Students should study at least 2 hours per week.

HEAD_T	good use of voice record compared to the number of sentences heard (2)
HEAD_S	Good use of voice recording feature. Please continue to record your voice in each study session.
MSG_S	To improve your listening and speaking, record several sentences during each study session. Listen to yourself and compare your recording with the native speaker.
MSG_T	Recording each sentence and comparing it to the native speaker helps develop fluency, pronunciation, and comprehension.

HEAD_T	good Mastery Test score(s) (2)
HEAD_S	Your Mastery Test scores are good.
MSG_S	Most students should score 90 or more if they have studied the lessons effectively.
MSG_T	Most students should score 90 or more if they have studied the lessons effectively.

HEAD_T	good study frequency in the last two weeks (3)
HEAD_S	Good study frequency. Please continue to study as often as possible.
MSG_S	Frequent practice is the key to language learning. Try to study at least 3-4 times per week.
MSG_T	Students should study at least 3-4 times per week. Frequent study sessions are most effective.

HEAD_T	good success with speech recognition accuracy (2)
HEAD_S	You are doing well with Speech Recognition.
MSG_S	To improve your speaking, do the Speech Recognition exercises often.
MSG_T	Use the Speech Recognition exercises a little each day for the best results.

HEAD_T	good success with comprehension questions (1), (2)
HEAD_S	You are doing well with comprehension questions.
MSG_S	The comprehension questions will help you learn to think in English.
MSG_T	Comprehension scores are averaging over 85%.

HEAD_T	poor comprehension scores (-2)
HEAD_S	You are not doing well with comprehension questions.
MSG_S	Please review the presentation lessons more often to improve your comprehension.
MSG_T	Comprehension scores are averaging less than 80%.

HEAD_T	not focusing on lessons properly (-2) NOT USED YET
HEAD_S	Please study the Presentation lessons more. Focus on the key sentences and master them.
MSG_S	After you understand all of the sentences in the presentation lessons, practice saying and recording them until you feel confident. You should also be able to confidently summarize all of the information in the presentation lessons.
MSG_T	These lessons should be studied many times, first for comprehension, and then practiced for fluency.

HEAD_T	good study time in the last 2 weeks (2)
HEAD_S	Please try to study at least 2 hours per week.
MSG_S	With enough practice, your progress will be good.
MSG_T	Students should study at least 2 hours per week.

HEAD_T	studied more than 50 days total (2)
HEAD_S	50 days of good work
MSG_S	You have studied hard for at least 50 days.
MSG_T	Also requires minimum of 1000 minutes, Mastery Test, comprehension questions, and use of voice record feature.

Variables

// SESD Number of unique days that they studied on
// SES   Number of study sessions
// MINS Number of study minutes
// SHUF Shuffler level
// QTOT Number of questions attempted
// QCOR Number of questions correct
// ABC   Number of times pressed ABC Button
// TRAN Number of times pressed Translation Button
// REP   Number of times pressed Repeat Button
// MIC   Number of times pressed MIC Button
// HEAD Number of times pressed Headphones Button
// SR_A Number of times attempted SR exercise
// SR_C Number of times got SR exercise correct the first time
// GLOS Number of times viewed a glossary
// PC   Percent Complete value
// DAYS Number of days since the last study
// SENT Number of sentences heard
// MT   Mastery Test Score
// PL   Most recent Placement Level
// P_XXX Product XXX is installed

Score Samples and Comments (1)

Class Overview: 1st grade Let's Go (Japan, data as of November 2004)

1) too much use of translation
2) studied more than 30 days total
   Study Score = 0

XXaJPZZ1 (Time = 56:38)

1) good Mastery Test score(s)
2) good study frequency in the last two weeks
3) good success with comprehension questions
4) good study time in the last 2 weeks
5) studied more than 30 days total
   Study Score = 9

XXbJPZZ2 (Time = 70:49)

1) good Mastery Test score(s)
2) good study frequency in the last two weeks
3) good success with comprehension questions
4) studied more than 30 days total
   Study Score = 7

XXcJPZZ3 (Time = 129:44)

1) good study frequency in the last two weeks
2) good study time in the last 2 weeks
3) studied more than 30 days total
   Study Score = 6

XXdJPZZ4 (Time = 62:25)

1) not repeating sentences enough compared to the
   number of sentences heard
2) too much use of translation
3) good Mastery Test score(s)
4) good study frequency in the last two weeks
5) good success with comprehension questions
6) good study time in the last 2 weeks
7) studied more than 30 days total
   Study Score = 5

XXeJPZZ5 (Time = 55:48)

1) too much use of translation (-)
2) good study frequency in the last two weeks
3) good study time in the last 2 weeks
4) studied more than 30 days total
   Study Score = 3

XXfJPZZ6 (Time = 81:38)

1) not repeating sentences enough compared to the
   number of sentences heard
2) low Mastery Test score(s)
3) good study frequency in the last two weeks
4) good study time in the last 2 weeks
   Study Score = 0

XXgJPZZ7 (Time = 60:12)

1) not repeating sentences enough compared to the
   number of sentences heard
2) too much use of translation (-)
3) low Mastery Test score(s)
4) good study frequency in the last two weeks
5) good study time in the last 2 weeks
6) studied more than 30 days total
   Study Score = -1

XXhJPZZ8 (Time = 24:04)

1) not repeating sentences enough compared to the
   number of sentences heard
2) too much use of translation
3) low Mastery Test score(s)
4) studied more than 30 days total
   Study Score = -4

XXiJPZZ9 (Time = 42:27)

1) not repeating sentences enough compared to the
   number of sentences heard
2) too much use of translation (-)
3) low Mastery Test score(s)
4) good study time in the last 2 weeks
   Study Score = -5

XXjJPZZ10 (Time = 05:44)

1) not repeating sentences enough compared to the
   number of sentences heard
2) study too infrequent
3) not enough study time in the last 2 weeks
   Study Score = -6

Score Samples and Comments (2)

Mixed Courses (examples from Korea, China, Bosnia, Japan, Ukraine, Turkey)

1) too much text button compared to repeat button
2) not repeating sentences enough
3) good use of voice record
    Study Score = 2

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jpn ZZ1 (Time = 06:16) FE

1) too much text button compared to repeat button
2) not repeating sentences enough compared to the number of sentences heard
3) too much use of translation
4) not repeating sentences enough after using voice record
5) good use of voice record compared to the number of sentences heard
6) good success with comprehension questions
    Study Score = -4

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chn ZZ2 (Time = 59:11) FE
1) good use of repeat button
2) good Mastery Test score(s)
3) good study frequency in the last two weeks
4) good success with comprehension questions
5) good study time in the last 2 weeks
6) review Unit 1 while studying Unit 2
    Study Score = 9

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jpn ZZ3 (Time = 18:36) EFS

1) not using voice record enough compared to the number of sentences heard
2) not repeating sentences enough compared to the number of sentences heard
3) study too infrequent
4) not monitoring recorded voice enough after recording sentences
5) low Mastery Test score(s)
6) not repeating sentences enough after using voice record
7) poor comprehension scores
    Study Score = -12

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jpn ZZ4 (Time = 05:52) EFS

1) not using voice record enough compared to the number of sentences heard
2) good study frequency in the last two weeks
3) good success with comprehension questions
4) good study time in the last 2 weeks
    Study Score = 3

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jpn ZZ5 (Time = 19:30) EFS

1) too much text button compared to repeat button
2) not using voice record enough compared to the number of sentences heard
3) not repeating sentences enough compared to the number of sentences heard
4) too much use of translation
5) not repeating sentences enough after using voice record
6) good Mastery Test score(s)
7) good success with comprehension questions
8) good study time in the last 2 weeks
9) studied more than 30 days total
    Study Score = -3

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kor ZZ6 (Time = 47:44) NDE

1) not listening to student's recorded voice enough in Speech Recognition lessons
2) NDE works well with The Lost Secret
3) good use of voice record compared to the number of sentences heard
4) good Mastery Test score(s)
5) studied more than 50 days total
    Study Score = 5

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chiZZ7 (Time = 37:41) NDE

1) not listening to student's recorded voice enough in Speech Recognition lessons
2) good use of repeat button
3) good use of voice record compared to the number of sentences heard
4) good Mastery Test score(s)
    Study Score = 5

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ukrZZ8 (Time = 177:41) NDE

1) good use of repeat button
2) good use of voice record compared to the number of sentences heard
3) good Mastery Test score(s)
4) good success with speech recognition accuracy
5) studied more than 50 days total
    Study Score = 10

Score Samples and Comments (3)

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korZZ9 (Time = 33:34) DBE

1) not listening to student's recorded voice enough in Speech Recognition lessons
2) good use of voice record compared to the number of sentences heard
3) good Mastery Test score(s)
4) good success with speech recognition accuracy
5) start to study Manufacturing and Trade while continuing to study Work Experience
6) studied more than 50 days total
   Study Score = 7

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korZ10 (Time = 10:54)   DBE

1) too much text button compared to repeat button
2) not using voice record enough compared to the number of sentences heard
3) not repeating sentences enough compared to the number of sentences heard
4) not listening to student's recorded voice enough in Speech Recognition lessons
5) too little time on presentation lessons
6) not listening to student's recorded voice enough after recording sentences
7) no study in the last 2 weeks
   Study Score = -12

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ukrZ11 (Time = 122:40) NDE

1) not listening to student's recorded voice enough in Speech Recognition lessons
2) good use of repeat button
3) good use of voice record compared to the number of sentences heard
4) good Mastery Test score(s)
5) good success with speech recognition accuracy
6) studied more than 50 days total
   Study Score = 9

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chiZ12 (Time = 21:52) NDE

1) not listening to student's recorded voice enough in Speech Recognition lessons
2) too little time on presentation lessons
3) good use of voice record compared to the number of sentences heard
4) good success with speech recognition accuracy
   Study Score = 1

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chiZ13 (Time = 99:52) NDE

1) not listening to student's recorded voice enough in Speech Recognition lessons
2) good use of repeat button
3) good use of voice record compared to the number of sentences heard
4) studied more than 50 days total
   Study Score = 5

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turZ14 (Time = 37:14) NDE

1) too much text button compared to repeat button
2) not using voice record enough compared to the number of sentences heard
3) not repeating sentences enough compared to the number of sentences heard
4) not listening to student's recorded voice enough in Speech Recognition lessons
5) too little time on presentation lessons
6) too much use of translation
7) not repeating sentences enough after using voice record
8) poor comprehension scores
   Study Score = -14

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bosZ15 (Time = 31:02) NDE

1) not listening to student's recorded voice enough in Speech Recognition lessons
2) good use of repeat button
3) good use of voice record compared to the number of sentences heard
4) good Mastery Test score(s)
5) good success with speech recognition accuracy
   Study Score = 7

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chi Z16 (Time = 102:20) NDE

1) too much text button compared to repeat button
2) not using voice record enough compared to the number of sentences heard
3) not repeating sentences enough compared to the number of sentences heard
4) not listening to student's recorded voice enough in Speech Recognition lessons
5) not listening to student's recorded voice enough after recording sentences
6) good Mastery Test score(s)
7) studied more than 50 days total
   Study Score = -4