

ClearSight

ClearSight to
ILEARN Predictive
Study User Guide

ClearSight

How Do I Use a Student's *ClearSight* Interim Score to Predict ILEARN Results?

First, a bit about the study:

A predictive study was completed to determine the likelihood of students, in grades 3–8, scoring At Proficiency or better on their Indiana state test (ILEARN) based on their performance on an Interim Assessment in *ClearSight*. Here are a few understood conditions of the study.

1. Both the *ClearSight* Interim and the ILEARN assess grade-level standards mastery.
2. *ClearSight* Interim assessments are administered early in the school year before students have had a full grade level of instruction.
3. The Indiana summative test, ILEARN, is administered to students after the majority of the grade-level instruction has been completed.
4. Excerpt from predictive study report:

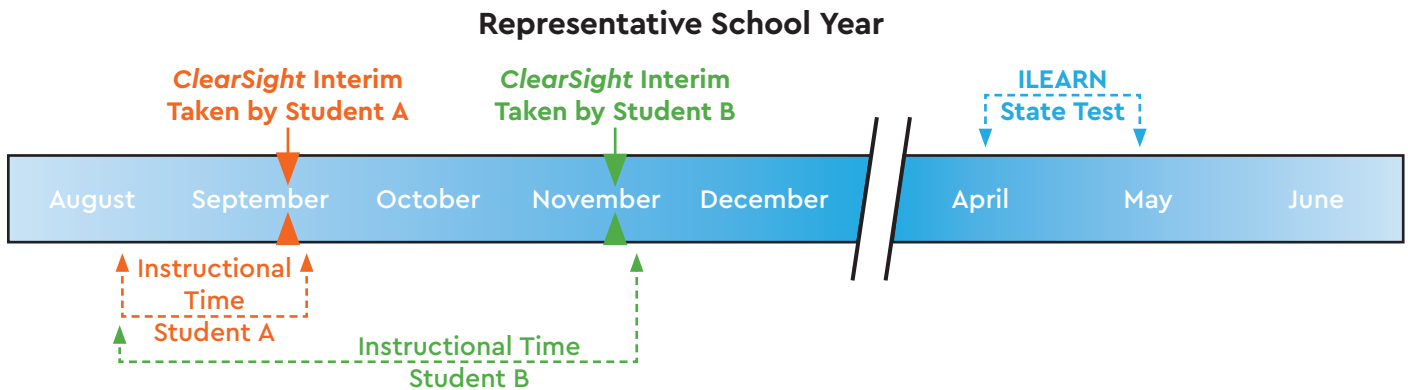
The sample used to investigate the relationships between *ClearSight* and ILEARN test scores was based on the results of students who took the spring 2019 ILEARN Mathematics and English Language Arts (ELA) tests. Each student was offered up to three opportunities to take the *ClearSight* Mathematics and ELA tests during the test window from August 2018 to April 2019. For purposes of this investigation, when students participated in multiple testing opportunities, we used the test record corresponding to the earliest testing opportunity only. Students who did not have valid *ClearSight* test scores were excluded from the analyses. The correlations between the interim and summative test scores are quite substantial, averaging 0.83 across grades for Mathematics, and 0.78 across grades for ELA. (Cambium Assessment Inc., 2020)

This indicates a dependable relationship between student performance on *ClearSight* and later performance on ILEARN. A correlation of 0 means no relationship, and the closer the correlation is to 1, the better the correlation is.

Second, a few things to consider:

The approximate date that a *ClearSight* Interim is administered to a student implies the amount of instruction time and/or learning time they have had to that point. As an example, let's consider Students A and B in Figure 1. Student A took the Interim in September, and Student B took the Interim in November. Student B received about two more months of instruction/learning before taking the interim assessment.

Figure 1: *ClearSight* Interim and Instruction/Learning Timeline



This difference, in the time for instruction/learning, did show impact on the prediction of *ClearSight* Interim to ILEARN, and this is reflected in the tables that you can use to predict students' ILEARN proficiency (Table 1 and Table 2). Generally, the study reflected that the more time students had to learn standards (Figure 2), the better they performed on the *ClearSight* Interim—as it measures grade-level standards mastery and students should have more knowledge of these standards as time progresses.

Figure 2: Standards Learned Over Time



Let's consider Student C, a third-grade math student, as an example.

If Student C took the *ClearSight* Interim in Aug–Oct (1) and scored 265 (2), he/she has a 50–60% probability (3) of scoring in the proficient range on the ILEARN. See Figure 3.

Figure 3: Student C Scores 265 on Interim in Aug–Oct.

ClearSight Interim Test	Probability of Meeting ILEARN Proficiency	ClearSight Interim Math Test Scores		
		Fall Window (Aug–Dec)	Early Fall Window (Aug–Oct)	Late Fall Window (Nov–Dec)
Grade 3 Math	0–10%	216–233	216–229	216–257
	10–20%	234–245	230–241	258–265
	20–30%	246–252	242–249	266–270
	30–40%	253–259	250–255	271–274
	40–50%	260–264	256–261	275–278
	50–60%	265–270	262–267	279–282
	60–70%	271–276	268–274	283–286
	70–80%	277–284	275–281	287–291
	80–90%	285–296	282–293	292–299
90–100%	297–404	294–404	300–404	

However, if that same Student C took the *ClearSight* Interim in Nov–Dec, he/she would need to score at least 279 (1) to have that same 50–60% probability (2) of being proficient on ILEARN. See Figure 4.

Figure 4: Student C Taking Interim in Nov–Dec.

ClearSight Interim Test	Probability of Meeting ILEARN Proficiency	ClearSight Interim Math Test Scores		
		Fall Window (Aug–Dec)	Early Fall Window (Aug–Oct)	Late Fall Window (Nov–Dec)
Grade 3 Math	0–10%	216–233	216–229	216–257
	10–20%	234–245	230–241	258–265
	20–30%	246–252	242–249	266–270
	30–40%	253–259	250–255	271–274
	40–50%	260–264	256–261	275–278
	50–60%	265–270	262–267	279–282
	60–70%	271–276	268–274	283–286
	70–80%	277–284	275–281	287–291
	80–90%	285–296	282–293	292–299
90–100%	297–404	294–404	300–404	

Finally, use the probability tables:

Please recall that Indiana has four possible proficiency levels (Figure 5), and the predictions in this study are for the probability of scoring in the At or Above level.

Figure 5: Indiana Proficiency Levels

Above Proficiency
At Proficiency
Approaching Proficiency
Below Proficiency

Tables 1 and 2 display the *ClearSight* score point ranges associated with the probability of being classified as At Proficiency on the summative ILEARN. The columns represent fall administrations of *ClearSight* generally (Aug-Dec), followed by specific timeframes: early fall (Aug-Oct), and late fall (Nov-Dec) test administrations.

Table 1: Mathematics Grades 3-8 Probability Tables: *ClearSight* Interim Scores to ILEARN At Proficiency Target

		<i>ClearSight</i> Interim Math Test Scores		
<i>ClearSight</i> Interim Test	Probability of Meeting ILEARN Proficiency	Fall Window (Aug-Dec)	Early Fall Window (Aug-Oct)	Late Fall Window (Nov-Dec)
Grade 3 Math	0-10%	216-233	216-229	216-257
	10-20%	234-245	230-241	258-265
	20-30%	246-252	242-249	266-270
	30-40%	253-259	250-255	271-274
	40-50%	260-264	256-261	275-278
	50-60%	265-270	262-267	279-282
	60-70%	271-276	268-274	283-286
	70-80%	277-284	275-281	287-291
	80-90%	285-296	282-293	292-299
	90-100%	297-404	294-404	300-404
Grade 4 Math	0-10%	227-278	227-275	227-287
	10-20%	279-289	276-286	288-297
	20-30%	290-297	287-293	298-304
	30-40%	298-303	294-299	305-309
	40-50%	304-308	300-305	310-315
	50-60%	309-314	306-310	316-320
	60-70%	315-320	311-316	321-325
	70-80%	321-327	317-323	326-332
	80-90%	328-338	324-334	333-343
	90-100%	339-459	335-459	344-459

		ClearSight Interim Math Test Scores		
ClearSight Interim Test	Probability of Meeting ILEARN Proficiency	Fall Window (Aug-Dec)	Early Fall Window (Aug-Oct)	Late Fall Window (Nov-Dec)
Grade 5 Math	0-10%	241-312	241-306	241-327
	10-20%	313-324	307-319	328-337
	20-30%	325-332	320-327	338-344
	30-40%	333-339	328-334	345-349
	40-50%	340-345	335-340	350-354
	50-60%	346-351	341-346	355-359
	60-70%	352-357	347-353	360-365
	70-80%	358-365	354-361	366-371
	80-90%	366-377	362-374	372-381
	90-100%	378-506	375-506	382-506
Grade 6 Math	0-10%	255-350	255-345	255-358
	10-20%	351-363	346-359	359-370
	20-30%	364-372	360-368	371-378
	30-40%	373-379	369-375	379-384
	40-50%	380-385	376-382	385-390
	50-60%	386-392	383-389	391-396
	60-70%	393-399	390-397	397-402
	70-80%	400-408	398-406	403-410
	80-90%	409-421	407-419	411-421
	90-100%	422-563	420-563	422-563
Grade 7 Math	0-10%	280-382	280-377	280-398
	10-20%	383-396	378-391	399-411
	20-30%	397-406	392-400	412-419
	30-40%	407-414	401-407	420-426
	40-50%	415-421	408-414	427-432
	50-60%	422-428	415-421	433-439
	60-70%	429-436	422-429	440-445
	70-80%	437-445	430-438	446-454
	80-90%	446-459	439-452	455-466
	90-100%	460-595	453-595	467-595

		ClearSight Interim Math Test Scores		
ClearSight Interim Test	Probability of Meeting ILEARN Proficiency	Fall Window (Aug-Dec)	Early Fall Window (Aug-Oct)	Late Fall Window (Nov-Dec)
Grade 8 Math	0-10%	279-406	279-400	279-420
	10-20%	407-426	401-420	421-439
	20-30%	427-440	421-434	440-452
	30-40%	441-451	435-445	453-463
	40-50%	452-461	446-455	464-473
	50-60%	462-471	456-465	474-482
	60-70%	472-483	466-476	483-493
	70-80%	484-496	477-489	494-506
	80-90%	497-517	490-509	507-526
	90-100%	518-667	510-667	527-667

Table 2: English Language Arts (ELA) Grades 3-8 Probability Tables: ClearSight Interim Scores to ILEARN At Proficiency Target

		ClearSight Interim ELA Scores		
ClearSight Interim Test	Probability of Meeting ILEARN Proficiency	Fall Window (Aug-Dec)	Early Fall Window (Aug-Oct)	Late Fall Window (Nov-Dec)
Grade 3 ELA	0-10%	110-220	110-214	110-252
	10-20%	221-245	215-239	253-272
	20-30%	246-261	240-256	273-285
	30-40%	262-275	257-269	286-296
	40-50%	276-287	270-282	297-306
	50-60%	288-299	283-294	307-316
	60-70%	300-313	295-308	317-327
	70-80%	314-329	309-325	328-340
	80-90%	330-354	326-350	341-360
	90-100%	355-530	351-530	361-530

		ClearSight Interim ELA Scores		
ClearSight Interim Test	Probability of Meeting ILEARN Proficiency	Fall Window (Aug-Dec)	Early Fall Window (Aug-Oct)	Late Fall Window (Nov-Dec)
Grade 4 ELA	0-10%	135-257	135-252	135-266
	10-20%	258-281	253-276	267-290
	20-30%	282-297	277-291	291-306
	30-40%	298-310	292-304	307-319
	40-50%	311-322	305-316	320-331
	50-60%	323-334	317-328	332-343
	60-70%	335-347	329-341	344-357
	70-80%	348-363	342-356	358-373
	80-90%	364-387	357-380	374-397
	90-100%	388-580	381-580	398-580
Grade 5 ELA	0-10%	167-292	167-287	167-301
	10-20%	293-315	288-310	302-324
	20-30%	316-331	311-326	325-340
	30-40%	332-343	327-338	341-352
	40-50%	344-355	339-350	353-364
	50-60%	356-367	351-361	365-375
	60-70%	368-380	362-374	376-388
	70-80%	381-395	375-389	389-403
	80-90%	396-418	390-413	404-426
	90-100%	419-613	414-613	427-613
Grade 6 ELA	0-10%	190-324	190-317	190-335
	10-20%	325-347	318-340	336-358
	20-30%	348-363	341-355	359-373
	30-40%	364-375	356-368	374-385
	40-50%	376-387	369-379	386-397
	50-60%	388-399	380-391	398-408
	60-70%	400-411	392-403	409-420
	70-80%	412-427	404-419	421-436
	80-90%	428-450	420-442	437-458
	90-100%	451-642	443-642	459-642

		ClearSight Interim ELA Scores		
ClearSight Interim Test	Probability of Meeting ILEARN Proficiency	Fall Window (Aug-Dec)	Early Fall Window (Aug-Oct)	Late Fall Window (Nov-Dec)
Grade 7 ELA	0-10%	192-331	192-322	192-351
	10-20%	332-357	323-349	352-375
	20-30%	358-375	350-367	376-390
	30-40%	376-389	368-382	391-403
	40-50%	390-402	383-395	404-415
	50-60%	403-415	396-409	416-426
	60-70%	416-430	410-424	427-439
	70-80%	431-447	425-442	440-454
	80-90%	448-473	443-469	455-478
	90-100%	474-666	470-666	479-666
Grade 8 ELA	0-10%	191-330	191-328	191-338
	10-20%	331-359	329-355	339-367
	20-30%	360-378	356-374	368-387
	30-40%	379-394	375-389	388-403
	40-50%	395-408	390-403	404-418
	50-60%	409-422	404-417	419-433
	60-70%	423-438	418-432	434-449
	70-80%	439-457	433-450	450-469
	80-90%	458-486	451-478	470-499
	90-100%	487-697	479-697	500-697

If you have any questions, please do not hesitate to reach out to your Voyager Sopris Learning Sales Representative, Mark Nixon: mnixon@voyagersopris.com or (904) 874-2266.

Reference

Cambium Assessment Inc. (2020). *2020-2021 Indiana formative (interim) assessment grant: predictive validity of ClearSight interim assessments*. Cambium Learning Group, Inc. Washington, DC.