

# Lesson Plan 6: Crystal Ball: The Chicago region in 2030

**SUBJECT(S):** Geography, Economics

**GRADE LEVEL:** 7 - 10

**DURATION:** one class period

## Objectives

Students will understand that:

- population projections help state and local governments prepare for additional people

Students will be able to:

- make predictions based on trends in data

## Warm-up/Discussion

Tell students that the population of the six-county Chicago region is expected to grow from 8.1 million in 2000 to 10 million people by 2030. Planners use estimates of future population to prepare for the needs of communities. Ask students why it would be important to know how many additional people will be living in a place in ten or twenty years (possible answers include planning for schools, public transportation, new water and sewer lines, etc.) Why might it be useful to know how many people there will be in different categories, such as the number of children under five years old or people over eighty-five?

## Learning Activities

Distribute the *Population Forecasts for the Chicago Region* (pg. 79-83) handout and have students locate the data relevant to the county and municipality where their school is located. Distribute the *Crystal Ball* (pg. 84) handout and have students complete the missing information.

## Assessment

Have students write a paragraph about what they think needs to be done to accommodate the population expected to live in their municipality in 2030. Tell them that their writing will be evaluated on the basis of effort and imagination.

## Materials Included:

- Population Forecasts for the Chicago Region [pg. 79-83]
- Crystal Ball [pg. 84]

## Additional Materials Needed:

- None

## Vocabulary

**municipality:**

*a political unit of local government, such as a city, town, or village*

## Wrap-up/Reflection

Ask students to use the *Population Forecasts for the Chicago Region* (pg. 79-83) handouts to determine the number of people and jobs expected in 2030 in the municipalities that surround the community where the school is located. Is the larger area expected to gain many more people and/or jobs? If so, what needs to be done to prepare for the larger population? Consider factors such as the need for more classrooms and homes. How might the projected change in population and jobs affect traffic congestion or the need for more fire and police services?

Explain that it is important to look at neighboring communities because there are a number of factors that have an impact not only on the municipality where population change occurs but also on other communities in the area. For example, if one community gains a large number of jobs, this will have an impact on traffic on local roads and demand for housing?

## Ideas for Additional Activities

**Social Studies:** Have students research the history of your community using libraries, local historical societies and by interviewing long-term residents of the community. Encourage them to find maps and photographs of the community that show land use and population change over a period of decades. Then, based on how what they have learned about trends over time, ask them to predict what the community will be like in the year 2030.

**Economics:** Students can consider the types of businesses that may be attracted to the area based on projected demographic change.

Have students do research on marketing to find out how retail businesses or franchise restaurants decide where to open a new store or restaurant.

# Population Forecasts for the Chicago Region

Areaname	Population		Households		Employment	
	2000	2030	2000	2030	2000	2030
Northeastern Illinois	8,091,720	10,034,835	2,906,925	3,627,752	4,323,207	5,563,934
<b>County</b>						
Cook	5,376,741	5,938,248	1,974,181	2,224,929	2,841,941	3,318,234
DuPage	904,161	1,002,325	325,601	361,978	646,610	830,394
Kane	404,119	692,346	133,901	234,617	206,107	342,684
Lake	644,356	844,315	216,297	292,253	354,114	461,487
McHenry	260,077	449,823	89,403	155,108	105,118	167,765
Will	502,266	1,107,778	167,542	358,867	169,317	443,370
<b>Municipality</b>						
Addison	35,914	38,561	11,649	12,876	33,415	42,024
Algonquin	23,276	41,333	7,706	13,275	5,392	16,359
Alsip	19,725	22,349	7,536	8,540	11,714	14,804
Antioch	8,788	30,594	3,235	9,921	4,098	7,228
Arlington Heights	76,031	82,441	30,763	33,415	58,259	61,594
Aurora (excl Kendall)	142,150	190,167	46,171	66,722	63,143	106,677
Bannockburn	1,429	1,479	250	270	6,900	7,406
Barrington	10,168	10,429	3,767	4,001	8,935	11,085
Barrington Hills	3,915	5,060	1,381	1,777	682	903
Bartlett	36,706	43,264	12,179	15,199	3,520	7,467
Batavia	23,866	31,402	8,494	11,073	15,409	24,557
Beach Park	10,072	16,729	3,636	5,674	565	1,012
Bedford Park	574	620	211	209	27,033	29,285
Beecher	2,033	20,029	830	6,393	183	8,211
Bellwood	20,535	21,329	6,440	6,904	6,613	6,743
Bensenville	20,703	19,048	6,885	7,582	28,903	31,862
Berkeley	5,245	5,126	1,877	1,905	2,287	2,299
Berwyn	54,016	63,433	19,702	19,904	7,915	8,459
Big Rock	NA	859	NA	324	0	156
Bloomington	21,675	28,818	8,219	10,244	14,432	19,345
Blue Island	23,463	25,511	8,247	9,057	10,233	11,832
Bolingbrook	56,321	88,548	17,416	28,404	20,393	31,783
Braidwood	5,203	6,612	1,843	2,416	675	1,663
Bridgeview	15,335	14,865	5,631	5,667	13,362	14,524
Broadview	8,264	8,180	3,194	3,199	9,846	10,035
Brookfield	19,085	19,893	7,536	7,536	3,542	3,569
Buffalo Grove	42,909	45,258	15,708	16,903	18,790	23,090
Bull Valley	726	2,435	268	797	90	515
Burbank	27,902	26,842	9,317	9,360	6,257	6,868
Burlington	452	14,994	171	4,239	54	1,428
Burnham	4,170	4,271	1,449	1,607	588	1,059
Burr Ridge	10,408	14,500	3,541	5,218	13,391	17,662
Calumet City	39,071	39,654	15,139	16,634	12,128	13,303
Calumet Park	8,516	8,760	2,991	3,248	1,722	2,853
Carol Stream	40,438	41,604	13,872	14,765	19,902	25,582
Carpentersville	30,586	39,091	8,872	12,825	7,363	10,284
Cary	15,531	22,036	4,962	7,513	6,432	9,087
Channahon(Will Only)	7,235	22,231	2,249	6,832	2,384	6,531
Chicago	2,896,016	3,260,897	1,061,928	1,221,163	1,522,635	1,763,365
Chicago Heights	32,776	36,282	10,703	12,769	14,636	18,504
Chicago Ridge	14,127	13,715	5,739	5,739	7,428	7,970
Cicero	85,616	76,857	23,115	23,267	18,845	19,056
Clarendon Hills	7,610	8,782	2,836	3,581	2,083	2,898
Coal City(Will Only)	0	2	0	1	0	0
Country Club Hills	16,169	19,139	5,297	6,416	1,995	3,366
Countryside	5,991	6,286	2,661	2,805	6,446	7,044
Crest Hill	13,329	22,047	4,478	7,100	2,891	5,346

Data source: Northeast Illinois Planning Commission

## Population Forecasts for the Chicago Region (cont'd)

Areaname	Population		Households		Employment	
	2000	2030	2000	2030	2000	2030
Crestwood	11,251	12,801	4,685	4,840	9,064	9,278
Crete	7,346	38,786	2,704	12,934	2,733	13,005
Crystal Lake	38,000	44,363	13,070	15,573	25,549	37,161
Darien	22,860	23,717	8,735	9,269	8,701	11,035
Deerfield	18,420	20,391	6,420	7,615	23,935	30,764
Deer Park	3,102	3,846	989	1,311	172	2,780
Des Plaines	58,720	60,343	22,362	23,576	60,359	62,167
Diamond	10	49	4	19	5	29
Dixmoor	3,934	4,174	1,372	1,507	526	898
Dolton	25,614	24,433	8,512	9,067	5,536	6,607
Downers Grove	48,724	60,153	18,979	23,515	38,534	59,459
East Dundee	2,955	7,888	1,228	2,706	2,818	4,361
East Hazel Crest	1,607	1,698	590	628	1,826	2,329
Elburn	2,756	21,126	1,038	6,120	748	2,449
Elgin	94,487	162,416	31,543	55,289	54,020	87,627
Elk Grove Village	34,727	36,948	13,278	14,030	61,121	97,974
Elmhurst	42,762	43,075	15,627	15,809	41,429	41,572
Elmwood Park	25,405	24,260	9,858	9,889	2,527	2,538
Elwood	1,620	20,036	637	6,184	12	18,045
Evanston	74,239	80,224	29,651	30,796	42,660	42,681
Evergreen Park	20,821	19,742	7,471	7,609	8,566	9,475
Flossmoor	9,301	9,949	3,331	3,546	1,833	2,072
Ford Heights	3,456	6,441	984	1,830	2,252	3,226
Forest Park	15,688	15,736	7,632	8,252	15,586	17,084
Forest View	778	796	302	309	738	912
Fox Lake	9,178	12,589	4,046	5,459	1,432	2,469
Fox River Grove	4,862	5,542	1,677	2,045	991	1,286
Frankfort	10,391	67,218	3,418	19,663	11,548	27,554
Franklin Park	19,434	19,113	6,484	7,340	27,474	27,873
Geneva	19,515	25,480	6,718	8,985	13,862	18,287
Gilberts	1,279	6,891	394	2,091	959	1,731
Glencoe	8,762	8,957	3,072	3,140	2,039	2,328
Glendale Heights	31,765	35,059	10,791	11,661	12,164	13,584
Glen Ellyn	26,999	32,291	10,207	12,303	9,527	10,609
Glenview	41,847	54,368	15,464	20,914	23,064	46,687
Glenwood	9,000	11,367	3,373	4,232	3,014	9,232
Godley (Will only)	594	872	200	319	52	138
Golf	451	445	156	157	182	182
Grayslake	18,506	24,094	6,503	9,116	4,899	10,466
Green Oaks	3,572	4,786	1,079	1,615	1,579	3,841
Greenwood	244	3,289	84	1,243	39	1,197
Gurnee	28,834	35,791	10,629	13,713	19,825	30,569
Hainesville	2,129	4,118	701	1,456	365	1,230
Hampshire	2,900	20,393	1,015	5,659	1,080	8,167
Hanover Park	38,278	37,705	11,105	11,618	7,921	10,866
Harvard	7,996	15,247	2,610	4,996	2,528	5,298
Harvey	30,000	31,324	8,990	10,134	8,154	9,625
Harwood Heights	8,297	8,088	3,505	3,503	6,194	6,640
Hawthorn Woods	6,002	15,951	1,831	4,674	520	7,120
Hazel Crest	14,816	15,786	5,067	5,478	2,933	3,570
Hebron	1,038	2,074	390	803	268	717
Hickory Hills	13,926	13,781	5,216	5,338	4,413	5,064
Highland Park	31,365	34,603	11,265	11,760	14,682	14,733
Highwood	4,143	3,769	1,811	1,830	1,036	1,169
Hillside	8,155	7,775	2,998	3,122	7,595	10,726
Hinsdale	17,349	22,000	5,977	7,211	13,304	13,396
Hodgkins	2,134	2,137	841	978	2,890	4,364
Hoffman Estates	49,495	54,590	17,034	20,021	20,120	33,716

Data source: Northeast Illinois Planning Commission

## Population Forecasts for the Chicago Region (cont'd)

Areaname	Population		Households		Employment	
	2000	2030	2000	2030	2000	2030
Holiday Hills	831	1,053	280	358	20	73
Homer Glen	NA	40,588	NA	12,464	382	6,919
Hometown	4,467	4,435	1,895	1,937	389	443
Homewood	19,543	20,469	7,552	7,821	8,494	9,578
Huntley	5,730	44,435	2,324	16,076	2,183	9,876
Indian Creek	194	211	65	72	113	269
Indian Head Park	3,685	3,953	1,683	1,683	418	418
Inverness	6,749	7,069	2,312	2,424	1,601	1,607
Island Lake	8,153	13,557	2,837	4,969	503	1,719
Itasca	8,302	10,706	3,179	3,912	31,374	37,210
Johnsburg	5,391	23,024	1,760	7,691	1,340	6,780
Joliet(Will Only)	105,597	136,525	35,971	46,823	43,188	80,583
Justice	12,193	14,726	4,402	5,967	1,797	2,711
Kenilworth	2,494	2,383	792	816	408	417
Kildeer	3,460	5,069	1,077	1,730	799	1,669
La Grange	15,608	17,848	5,624	6,967	6,021	6,628
La Grange Park	13,295	14,101	5,432	5,902	2,675	2,681
Lake Barrington	4,757	5,695	2,039	2,220	1,136	1,590
Lake Bluff	6,056	10,424	2,118	3,153	3,926	4,973
Lake Forest	20,059	21,933	6,687	7,473	19,599	22,720
Lake in the Hills	23,152	30,532	7,652	9,932	3,071	11,299
Lakemoor	2,788	23,055	1,014	7,378	662	4,203
Lake Villa	5,864	16,546	2,052	6,248	1,710	2,792
Lakewood	2,337	5,922	815	2,656	68	1,631
Lake Zurich	18,104	20,571	5,746	6,929	10,632	16,081
Lansing	28,332	31,428	11,416	12,652	13,107	15,373
Lemont	13,098	30,209	4,420	9,969	2,844	6,876
Libertyville	20,742	21,115	7,298	7,497	14,266	20,494
Lily Lake	825	1,543	252	504	0	90
Lincolnshire	6,108	8,284	2,134	3,123	20,312	22,730
Lincolnwood	12,359	12,776	4,482	4,515	13,098	14,063
Lindenhurst	12,539	19,843	4,235	6,568	567	2,348
Lisle	21,182	26,097	8,663	9,874	23,850	30,561
Lockport	15,191	36,224	5,599	11,964	3,901	8,946
Lombard	42,322	50,618	16,487	20,527	26,846	36,914
Long Grove	6,735	10,846	1,962	3,817	3,757	5,097
Lynwood	7,377	15,690	2,620	5,291	548	1,571
Lyons	10,255	11,038	4,032	4,042	3,228	3,465
McCook	254	284	119	125	6,129	6,828
McCullom Lake	1,038	1,997	382	729	35	64
McHenry	21,501	48,502	7,872	17,629	15,340	26,911
Manhattan	3,330	39,750	1,144	14,582	1,018	8,932
Maple Park	652	1,412	242	543	29	331
Marengo	6,355	18,213	2,387	5,985	5,642	7,927
Markham	12,620	14,322	3,842	4,582	4,419	5,612
Matteson	12,928	37,117	4,561	12,745	7,039	12,805
Maywood	26,987	25,689	7,937	8,111	6,648	6,576
Melrose Park	23,171	22,144	7,631	7,945	25,875	26,251
Merrionette Park	1,999	2,110	957	1,034	113	153
Mettawa	367	1,426	135	493	5,798	9,026
Midlothian	14,315	16,577	5,158	5,924	3,156	5,019
Minooka(Will Only)	1,388	5,372	447	1,672	27	75
Mokena	14,583	27,065	4,703	9,338	5,597	14,972
Monee	2,924	47,804	1,204	13,853	103	5,809
Montgomery (Kane Only)	3,855	11,323	1,581	3,926	4,634	7,721
Morton Grove	22,451	28,113	8,199	11,128	14,714	14,787
Mount Prospect	56,265	58,049	21,585	22,835	18,397	21,005
Mundelein	30,935	34,126	9,858	12,206	13,537	18,670

Data source: Northeast Illinois Planning Commission

## Population Forecasts for the Chicago Region (cont'd)

Areaname	Population		Households		Employment	
	2000	2030	2000	2030	2000	2030
Naperville	128,358	168,096	43,751	58,316	66,209	149,931
New Lenox	17,771	101,725	5,853	31,394	5,270	25,998
Niles	30,068	32,881	12,002	12,329	27,370	27,819
Norridge	14,582	14,384	5,727	5,750	4,949	5,414
North Aurora	10,585	20,694	4,019	7,092	4,677	8,727
North Barrington	2,918	3,542	1,003	1,291	641	936
Northbrook	33,435	40,187	12,203	14,868	38,942	56,404
North Chicago	35,918	43,747	7,661	9,269	13,220	30,337
Northfield	5,389	5,420	2,155	2,223	7,669	9,005
Northlake	11,878	10,951	3,873	3,914	10,934	13,622
North Riverside	6,688	7,177	2,935	2,935	3,584	3,701
Oak Brook	8,702	9,613	3,124	3,396	58,745	66,738
Oakbrook Terrace	2,300	4,447	1,198	1,832	11,311	12,697
Oak Forest	28,051	33,040	9,785	11,665	9,330	11,164
Oak Lawn	55,245	59,522	22,220	22,220	17,293	17,518
Oak Park	52,524	54,280	23,079	23,103	14,420	14,423
Oakwood Hills	2,194	4,263	719	1,467	2	108
Old Mill Creek	251	5,237	98	1,399	275	1,355
Olympia Fields	4,732	7,344	1,696	2,648	2,512	4,606
Orland Hills	6,779	7,474	2,153	2,381	493	949
Orland Park	51,077	70,713	18,675	24,887	19,592	30,170
Palatine	65,479	72,365	25,518	28,782	23,773	24,741
Palos Heights	11,260	14,304	4,123	4,735	10,230	11,926
Palos Hills	17,665	18,110	7,320	7,340	5,222	5,366
Palos Park	4,689	7,951	1,802	2,588	1,714	2,176
Park City	6,637	6,956	2,600	2,744	2,581	3,047
Park Forest	23,462	26,246	9,138	10,359	3,806	5,939
Park Ridge	37,775	36,620	14,219	14,763	20,676	22,227
Peotone	3,385	15,611	1,268	4,982	867	6,343
Phoenix	2,157	2,769	789	950	459	584
Pingree Grove	124	16,908	50	6,573	106	5,386
Plainfield (Will Only)	13,038	65,744	4,315	19,682	5,073	17,672
Port Barrington	788	2,666	295	923	1	140
Posen	4,730	5,549	1,627	2,143	1,140	1,901
Prairie Grove	960	12,076	303	4,031	349	1,371
Prospect Heights	17,081	16,099	6,379	6,480	4,141	5,638
Richmond	1,091	15,059	415	4,335	640	3,529
Richton Park	12,533	36,294	4,578	15,333	1,212	5,571
Ringwood	471	1,890	171	702	230	1,239
Riverdale	15,055	16,225	4,987	5,731	3,142	4,692
River Forest	11,635	11,630	4,092	4,099	5,306	5,648
River Grove	10,668	10,271	4,404	4,446	5,304	5,374
Riverside	8,895	9,337	3,552	3,629	1,897	1,903
Riverwoods	3,843	3,981	1,261	1,261	2,296	5,316
Robbins	6,635	7,319	1,985	2,240	420	704
Rockdale	1,888	1,882	762	792	1,586	1,914
Rolling Meadows	24,604	26,351	8,923	10,286	23,206	28,214
Romeoville	21,153	43,883	6,764	14,292	10,597	25,286
Roselle	23,115	26,784	8,443	9,830	8,862	11,876
Rosemont	4,224	4,055	1,692	1,708	13,557	19,196
Round Lake	5,842	27,338	2,029	8,895	2,054	9,597
Round Lake Beach	25,859	29,900	7,349	10,169	3,396	5,359
Round Lake Heights	1,347	2,552	425	825	244	387
Round Lake Park	6,038	9,954	2,131	3,735	205	6,470
St. Charles	27,896	36,671	10,351	13,002	24,895	34,294
Sauk Village	10,411	18,209	3,331	6,629	3,133	14,925
Schaumburg	75,386	83,284	31,799	33,571	87,688	111,229
Schiller Park	11,850	11,579	4,244	4,607	8,848	10,111

Data source: Northeast Illinois Planning Commission

## Population Forecasts for the Chicago Region (cont'd)

Areaname	Population		Households		Employment	
	2000	2030	2000	2030	2000	2030
Shorewood	7,686	38,398	2,565	11,281	4,114	11,444
Skokie	63,348	65,523	23,223	23,411	39,454	40,108
Sleepy Hollow	3,553	4,090	1,185	1,368	329	574
South Barrington	3,760	4,657	1,147	1,513	1,502	4,219
South Chicago Heights	3,970	4,602	1,570	1,835	2,289	3,655
South Elgin	16,100	27,567	5,565	9,681	5,199	8,900
South Holland	22,147	23,353	7,663	8,405	14,426	17,671
Spring Grove	3,880	18,523	1,166	6,879	812	4,806
Steger	9,682	12,586	3,862	4,978	1,604	2,228
Stickney	6,148	6,230	2,253	2,377	830	844
Stone Park	5,127	4,353	1,265	1,268	1,430	1,438
Streamwood	36,407	41,852	12,095	13,695	7,164	9,090
Sugar Grove	3,909	62,742	1,272	20,529	571	22,441
Summit	10,637	9,541	3,356	3,465	5,189	5,197
Symerton	106	1,602	34	539	0	35
Third Lake	1,355	1,395	428	441	23	102
Thornton	2,582	2,466	1,008	1,030	1,895	2,670
Tinley Park	48,401	63,889	17,478	23,945	16,311	32,848
Tower Lakes	1,310	1,442	449	494	106	109
Trout Valley	599	667	197	237	263	278
Union	576	1,254	204	471	0	519
University Park	6,662	34,571	2,253	11,459	6,170	13,845
Vernon Hills	20,120	23,848	7,568	9,094	26,186	34,106
Villa Park	22,075	22,991	7,810	8,201	12,279	15,281
Virgil	266	1,270	86	458	0	85
Volo	180	13,686	52	4,591	5	2,861
Wadsworth	3,083	11,848	1,036	4,179	286	1,950
Warrenville	13,363	15,007	4,931	5,537	5,162	12,567
Wauconda	9,448	25,653	3,611	8,883	8,196	13,105
Waukegan	87,901	92,714	27,787	31,516	37,146	44,702
Wayne	2,137	4,754	726	1,584	61	67
Westchester	16,824	18,511	7,015	7,327	9,066	9,557
West Chicago	23,469	41,632	6,379	12,090	11,508	36,308
West Dundee	5,428	11,364	2,059	3,945	4,744	7,473
Western Springs	12,493	11,831	4,318	4,428	2,384	2,718
Westmont	24,554	27,000	9,900	11,029	12,958	13,370
Wheaton	55,416	61,960	19,377	19,653	27,289	28,131
Wheeling	34,496	38,159	13,280	15,718	29,801	32,911
Willowbrook	8,967	14,567	4,178	6,463	7,514	9,794
Willow Springs	5,027	9,913	1,948	4,394	1,143	1,988
Wilmette	27,651	28,263	10,039	10,817	9,533	9,537
Wilmington	5,134	23,333	1,991	7,176	328	1,729
Winfield	8,718	15,242	2,975	4,847	4,666	6,658
Winnetka	12,419	11,491	4,162	4,233	3,794	3,997
Winthrop Harbor	6,670	13,306	2,370	4,661	433	743
Wonder Lake	1,345	2,715	445	998	50	64
Wood Dale	13,535	13,869	5,117	5,245	24,897	29,273
Woodridge	30,934	42,889	11,382	15,915	9,329	23,501
Woodstock	20,151	30,522	7,273	10,832	14,945	21,568
Worth	11,047	11,136	4,383	4,445	2,435	2,917
Zion	22,866	32,242	7,552	11,260	6,076	8,182

Data source: Northeast Illinois Planning Commission

# Crystal Ball

**Name(s):** \_\_\_\_\_

**Date:** \_\_\_\_\_

In what county is your school located? \_\_\_\_\_

**1. Population**

- a. In 2000, there were \_\_\_\_\_ people living in the county.
- b. By 2030, there will be \_\_\_\_\_ people living in the county.
- c. Between 2000 and 2030, the population of this county will grow by \_\_\_\_\_ people.

**2. Jobs**

- a. In 2000, there were \_\_\_\_\_ jobs in this county.
- b. By 2030, there will be \_\_\_\_\_ jobs are expected in this county.
- c. Between 2000 and 2030, there will be \_\_\_\_\_ **additional** jobs in the county.

In what municipality is your school located? \_\_\_\_\_

**3. Population**

- a. In 2000, there were \_\_\_\_\_ people living in this municipality.
- b. By 2030, there will be \_\_\_\_\_ people living in this municipality.
- c. Between 2000 and 2030, \_\_\_\_\_ **additional** people will be living in this municipality.

**4. Jobs in municipality**

- a. In 2000, there were \_\_\_\_\_ jobs in this municipality.
- b. By 2030, there will be \_\_\_\_\_ jobs in this municipality.
- c. Between 2000 and 2030, there will be \_\_\_\_\_ **additional** jobs in the municipality.