

Around the World



In 80 Days

with the TI-Navigator™ and TI-73 Explorer™

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General Overview of Activity

This activity can be used alone in math class or as an interdisciplinary unit.

The activity can also be used as a unit or as a warm-up or daily lesson for 80 days.

Math Content: Algebra

TI-Technology: TI-73, TI-Navigator

Can easily be adapted for TI-84 plus

I have included a sample itinerary and travel log for use as an interdisciplinary unit.

Objective: Students will “visit” locations around the world much like in the book “Around the World in 80 Days.” In TI-Navigator Activity Center, they will use their knowledge of mathematics and functions to submit equations to fit a line, curve, etc.. in the picture.

The level of the activity is easily adaptable from Middle School to Advanced mathematics, just by changing the object you want them to match on the graph with an equation.

I have included several picture files, but you may also want to choose your own. Just be careful to check the resolution to make sure they show up clearly in Navigator.

This activity has been modified from its original form which was a hands-on presentation. The original presentation was presented in October 2007 with a colleague, Barbara Kern.

Trip Itinerary

Day	Attraction	Location
1	Ko'olau mountains	Honolulu Hawaii
2	Seattle Space Needle	Seattle Washington
3	Redwood National Park	Northern California
4	Walk of Fame	Hollywood California
5	Golden Gate Bridge	San Francisco
6	Grand Canyon	Arizona
7	Hoover Dam	Nevada/Arizona
8	Mayan Ruins	Mexico
9	St. Louis Arch	Missouri
10	Montreal Biosphere	Canada
11	Niagara Falls	Canada/ New York
12	NY City Skyline	New York City
13	Statue of Liberty	New York City
14	Radio City Music Hall	New York City
15	Washington Monument	Washington DC
16	Capitol Building	Washington DC
17	Pentagon Building	Washington DC
18	Disney World's Magic Castle	Orlando Florida
19	Cape Canaveral	Florida
20	Havana Cathedral	Cuba
21	Waves/beach	Puerto Rico
22	Panama Canal	Panama
23	Orinoco River	Venezuela
24	City in the Clouds	Peru
25	Rainforest	Brazil
26	Pao De Acucar	Brazil Rio
27	Zimbabwe Canyon	South Africa
28	landscape	Madagascar
29	Pyramids of Meroe	Sudan
30	Pyramids	Egypt
31	Architecture	Morocco
32	City View	Portugal
33	Castle de Loarre	Spain
34	Cliffs of Moher	Ireland
35	Rosslynn Castle	Scotland
36	Stone Henge	England
37	Big Ben	England
38	Parliament Building	England
39	London Eye	London England
40	Warwick Castle	Warwick England

Trip Itinerary

Day	Attraction	Location
41	Windmills	Volendam Holland
42	Eiffel Tower	France
43	Notre Dame Cathedral	France
44	Louvre	France
45	Arc de Triomphe	France
46	Vatican City	Italy
47	Coliseum	Italy
48	Leaning Tower of Piza	Italy
49	Parthenon	Greece
50	Cologne Cathedral	Germany
51	WW II Memorial	Poland
52	Budapest	Hungry
53	Dracula's Castle	Romania
54	City line of Moscow	Moscow
55	Istanbul	Turkey
56	Dome of Rock	Isreal
57	Island of Du Bai	Saudi Arabia
58	Wazir Khan Mosque	Pakistan
59	Taj Mahal	India
60	Ganges River	India
61	Himalayas Mountains	Nepal
62	Architecture	Bangladesh
63	Mantrav	Thailand
64	Forbidden City	China
65	Great Wall	China
66	Bridge	China
67	Phone booths	Korea
68	Bridge	Japan
69	Temple	Japan
70	Landscape	Japan
71	Temple in Taipei	Taiwan
72	Taal	Philippines
73	Towers of Perrona Lumpur	Malaysia
74	Merlion	Singapore
75	Amphitheater	Australia
76	Sydney Harbor Bridge	Australia
77	North Sydney pool	Australia
78	Cathedral Cove	New Zealand
79	South Sandwich	Antartica
80	Penguins	Antartica

My Travel Journal

Day _____:	Today I visited _____ _____		
	in the country of _____ on the continent of _____.		
Math I Found			
Picture Or Fact			
How far did I travel today?	From:		To:
	Map Distance (units)	Scale Used	Actual Distance (units)
	Work Space:		
Month	What type of climate would you expect to find at this location? Explain your reasoning.		
Journal			