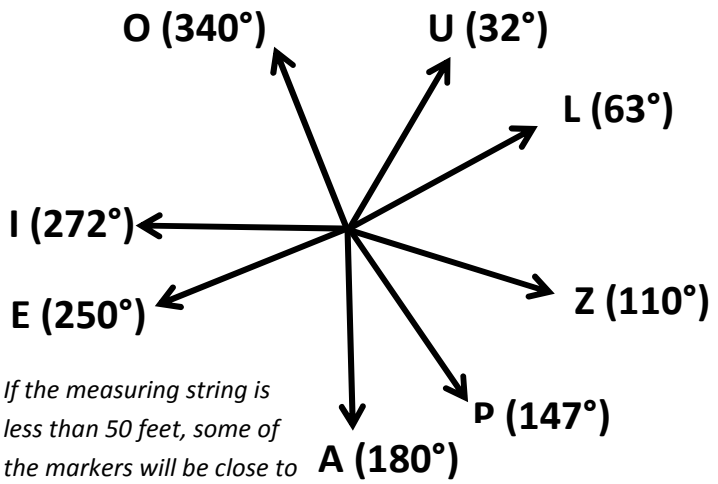
<< Compass Circle >>

Supplies: For set up: large fairly open space (at least 100 feet across), 8 markers (stakes, cones, spray paint), 1 stake or dowel, 50 feet rope/string (or longer), compass. For each participant: compass, course card, pen

Set Up: Label each marker with one of these letters: A, E, I, O, U, L, Z & P. Put the unmarked stake in the middle of the area you will be using. Attach an end of the string to that stake. Set the compass bearing to 32° and walk that direction until you reach the end of the string. Place the U marker there. With the string on the middle post every time, repeat for each marker and their corresponding bearings (see image). The success of this activity depends on the careful and correct placement of these markers.

To Begin: Give each participant (or partnership) a course card, compass and pen. The card tells them which marker is their starting point and which bearing to go to first. Following that bearing should lead them to another marker in the circle. They should write down the letter of that marker and set the compass for the next bearing. Participants could check in after recording their first answer to make sure they completed that step correctly.



If the measuring string is less than 50 feet, some of the markers will be close to each other which can lead to errors during the activity.

<< Answer Key >>

#1 - AEOUZP	#6 - LZAEOU
#2 - EIULPA	#7 - ZPEIUL
#3 - IOLZAE	#8 - PAIOLZ
#4 - OUZPEI	#9 - AIUZAE
#5 - ULPAIO	#10 - EOLPEI

See http://www.iupui.edu/~geni/lsort/schoolyardcompass.doc for info on how to make more paths through this course.

COMPASS CIRCLE

<< #1 - Start at Marker O >>

Go 305° ⟶ ☐

Go 25° ⟶ ☐

Go 96° ⟶ ☐

Go 161° ⟶ ☐

Go 219° ⟶ ☐

COMPASS CIRCLE

<< #2 - Start at Marker E >>

Go 351° ⟶ ☐

Go 68° ⟶ ☐

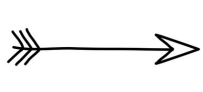
Go 138° ⟶ ☐

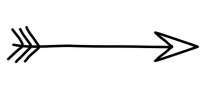
Go 195° ⟶ ☐

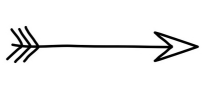
Go 254° ⟶ ☐

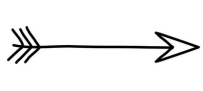
COMPASS CIRCLE

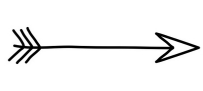
<< #3 - Start at Marker I >>

Go 36°  ☐

Go 112°  ☐

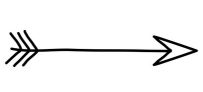
Go 177°  ☐

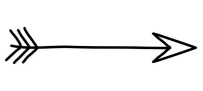
Go 235°  ☐

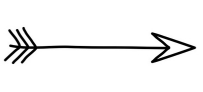
Go 305°  ☐

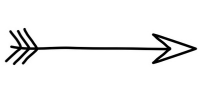
COMPASS CIRCLE

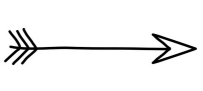
<< #4 - Start at Marker O >>

Go 96°  ☐

Go 161°  ☐

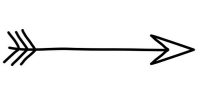
Go 219°  ☐

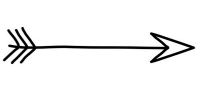
Go 289°  ☐

Go 351°  ☐

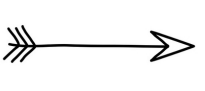
COMPASS CIRCLE

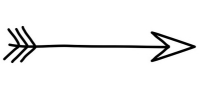
<< #5 - Start at Marker U >>

Go 138°  ☐

Go 195°  ☐

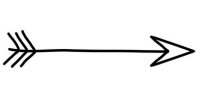
Go 254° ☐

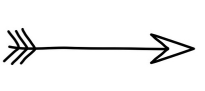
Go 316°  ☐

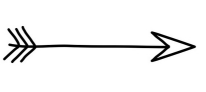
Go 36°  ☐

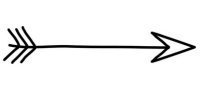
COMPASS CIRCLE

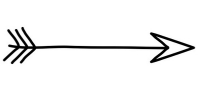
<< #6 - Start at Marker L >>

Go 177°  ☐

Go 235°  ☐

Go 305°  ☐

Go 25°  ☐

Go 96°  ☐

COMPASS CIRCLE

<< #7 - Start at Marker Z >>

Go 219° ⟶ ☐

Go 289° ⟶ ☐

Go 351° ⟶ ☐

Go 62° ⟶ ☐

Go 138° ⟶ ☐

COMPASS CIRCLE

<< # 8 - Start at Marker P >>

Go 254° ⟶ ☐

Go 316° ⟶ ☐

Go 36° ⟶ ☐

Go 112° ⟶ ☐

Go 177° ⟶ ☐

COMPASS CIRCLE

<< # 9 - Start at Marker A >>

Go 320° ⟶ ☐

Go 62° ⟶ ☐

Go 161° ⟶ ☐

Go 235° ⟶ ☐

Go 305° ⟶ ☐

COMPASS CIRCLE

<< #10 - Start at Marker E >>

Go 29° ⟶ ☐

Go 112° ⟶ ☐

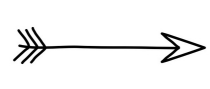
Go 195° ⟶ ☐

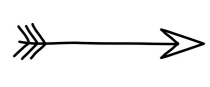
Go 289° ⟶ ☐

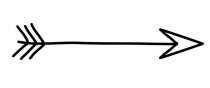
Go 351° ⟶ ☐

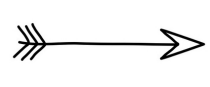
COMPASS CIRCLE

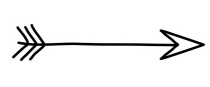
<< # ___ - Start at Marker ___ >>

Go____°  ☐

Go____°  ☐

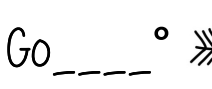
Go____°  ☐

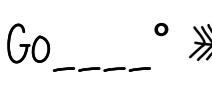
Go____°  ☐

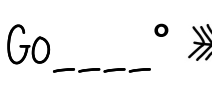
Go____°  ☐

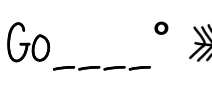
COMPASS CIRCLE

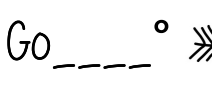
<< # ___ - Start at Marker ___ >>

Go____°  ☐

Go____°  ☐

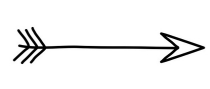
Go____°  ☐

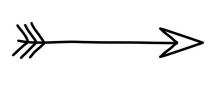
Go____°  ☐

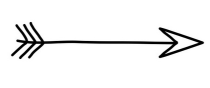
Go____°  ☐

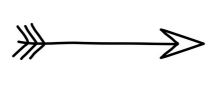
COMPASS CIRCLE

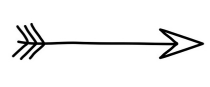
<< # ___ - Start at Marker ___ >>

Go____°  ☐

Go____°  ☐

Go____°  ☐

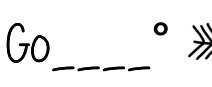
Go____°  ☐

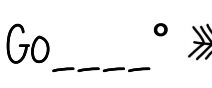
Go____°  ☐

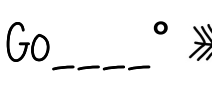
COMPASS CIRCLE

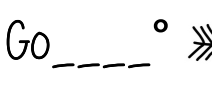
<< # ___ - Start at Marker ___ >>

Go____° ☐

Go____°  ☐

Go____°  ☐

Go____°  ☐

Go____°  ☐