

SAMPLE APPLICATIONS OF *Orienteering Map Adventures* IN SCHOOL PROGRAMS

PERSONAL DEVELOPMENT

self esteem
problem solving
decision making
planning
interpretation
self-reliance
social relationships
relocation skills
evaluating personal performance
self confidence
cooperative learning
independence
memory skills
simplifying the complex
setting goals
organization
concentration
lifetime skills
following directions
developing logical plans
teamwork
risk taking
responsibility
leadership
ability to follow others

GRAPHIC ARTS

printing
drawing
visualization
photography
video
posters
rough sketches
accurate drawing
perspective
observation
symbolism
designing and solving puzzles

PHYSICAL EDUCATION

walking/running
aerobic activity
agility
strength
combining mental and physical challenges
safety
first aid
personal health
endurance
recreation or competition
lifetime sport
coordination
skill assessment
cognitive skills assessment
cooperative learning
interscholastic training
cross country sports variation
sense of direction
spatial awareness

MATHEMATICS

estimating
calculating
pacing
shapes
speed = distance/time
word problems
mental computation
judging distance
sequences
measuring distances
time computations
precision
graphing
proportion
degrees
angles
scales
modeling
fractions
percent
ratio
metric system
error analysis
statistics - mean, median, mode
relating math concepts to biology,
physical science, and social studies
spatial relationships
linear slope
adding/subtracting
multiplying/dividing
numeration
graphs
gradient
counting
place value counting
nonstandard measuring
conversion of units
real life applications of math concepts
symbolic representation

SCIENCES

land forms
contour interpretation
hydrology
habitat analysis
magnetism
compass usage
forestry
climate
ecology
earth science
life science
erosion

FOREIGN LANGUAGES

introduction to new vocabulary
review previously introduced words
games applications
reinforce structure
verb ending
pronoun agreement
international symbols

TECHNOLOGY

computer map drawing (CAD)
photogrammetry
surveying
communicating via the Internet

LANGUAGE ARTS

writing about experiences
stories/poems/songs
keeping a log
keeping a journal
writing advertisements
posters
listening to and following directions
reading directions
writing/giving directions
descriptive writing
explanatory writing
practice clear oral communication skills
review tool for literary terms, genres,
authors, and proofreading
comprehension
vocabulary

SOCIAL STUDIES

exploring new environments
map handling skills
navigation skills
traveling to new locations
map legends
relating map to land
grids
maps for travel
past history of the land
history of Orienteering
care for the environment
land form and relationship to battles

Items in italics are ideas suggested by participants in our recent course, "Multi-Disciplinary Teaching Techniques Taught Through Map Adventures"

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This list covers only a fraction of the possible applications of Map Adventures and was compiled by

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