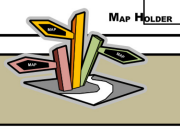
1.Present the mobile device functions suitable for mobile learning.
2.Map it to learning topics of Ontario's K-6 Numeracy Curriculum.

Numeracy	Counting, Operational Sense, Quantity, Relationships, Representation, Geometry and Spatial Sense, Data Management and Probability, Measurement, Patterning/Algebra



Instructional Strategy	Instructional Mode
Direct Instruction	Structured Overview, Lecture, Explicit Teaching, Drill & Practice, Compare and Contrast, Didactic Questions, Demonstrations, Guided and Shared
Indirect Instructions	Problem Solving, Case Studies, Reading for Meaning, Inquiry, Reflective Discussion, Concept Formation, Concept Mapping, Cloze Procedure
Experiential Learning	Field Trips, Conducting Experiments, Simulations, Games, Focused Imaging, Survey, Field Observations, Role Playing
Independent Study	Essays, Journals, Learning Logs, Correspondence Lessons, Homework, Research Projects, Assigned Questions, Learning Activity Packages
Interactive Instruction	Role Playing, Brainstorming, Peer Partner Learning, Discussion, Think; Pair; Share, Cooperative Learning, Debate, Conferencing

Instructional Strategies and its Instructional Mode

Mobile Device Function	Mobile Learning Mode Code
Audio Playing	MF_AUP
Video Playing	MF_VIP
Wi-Fi	MF_WF
Camera	MF_CA
GPS	MF_GPS
SMS	MF_SMS
Web Browser	MF_WB
Email	MF_EM
Data Collection (Store/Edit/Manipulate Data)	MF_DC
Voice Recorder	MF_VOR
Video Conferencing	MF_VIC
Java support	MF_JAV
Video Recorder	MF_VIR
Bluetooth	MF_BT
MMS (Multimedia Messaging Service)	MF_MMS
Document Reader	MF_DR
Calculator	MF_CAL
Touch screen	MF_TS

Mobile Learning Device Function and Learning Mode

Learning Topic
[LT_N1] Counting

Learning Style
[LS_SL] Sensing Learner
[LS_VBL] Verbal Learner
[LS_AL] Active Learner

Instructional Mode
[TM_DI4] Drill and Practice

Mobile Learning Modes
[TS_CAL] Calculator
[MF_WF] Wi-Fi
[MF_AUP] Audio playing
[MF_WB] Web browser
[MF_TS] Touch screen
[MF_JAV] Java support

Learning Style
[LS_VL] LS_VL;
[LS_SL] Sensing Learner

Instructional Mode
[TM_EL1] Games

Mobile Learning Modes
[MF_TS] Touch screen
[MF_WF] Wi-Fi
[MF_WB] Web browser
[MF_JAV] Java support

Learning Style
[LS_GL] Reflective Learner
[LS_SQL] Sequential Learner

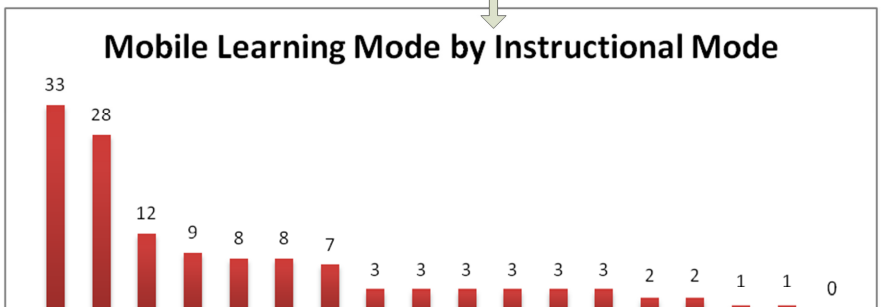
Instructional Mode
[TM_INI5] Think, Pair & Share

Mobile Learning Modes
[MF_WF] Wi-Fi
[MF_WB] Web browser
[MF_VIC] Video Conferencing

Mapping of Learning topic (Counting), Learning Styles, Instructional Mode and Mobile Learning Mode

Learning Preference	Dimension of Learning Style		Learning Preference
Doing	Active	Reflective	Thinking
Learning facts	Sensing	Intuitive	Learning concepts
Diagrams and Images	Visual	Verbal	Lecture
Learning in order	Sequential	Global	Summary

Learning Style Dimension



Conclusions

1.A mapping of the relationship between learning topics, learning styles, instructional strategies and mobile learning modes
2.Mobile technologies can be effectively integrated within the instructional strategies for learning topics.
3.Guidelines for educators to implement mobile learning