



# Porta-Power

Using free and portable resources to

- Increase tutor repertoire
- Enrich learning experiences
- Increase learner independence



# What disabled learners use

I use this	Yes	No	Don't know
Making phone calls	61.4	31.6	7.0
Texting	52.5	30.5	16.9
File transfer bluetooth or infra red	38.3	29.8	31.9
Camera	32.7	42.3	25.0
MP3 player	32.7	34.6	32.7
Calendar	28.3	30.2	41.5
Video camera	28.0	36.0	36.0
Internet Access	26.1	17.4	56.5
Video player	22.2	42.2	35.6
Voice recorder	17.4	41.3	41.3
GPS	12.5	9.4	78.1





# What disabled learners say

Are there things that make it hard to use your phone?

Answer Options	Yes	Sometimes	No
The screen is too small	34.48	12.07	53.45
The colours are difficult to see	24.56	10.53	64.91
The text size is wrong	25.00	16.07	58.93
The keys are difficult to use	28.07	17.54	54.39
It is difficult to hold	21.43	7.14	71.43
Its too complicated	17.65	15.69	66.67





# Inclusion benefits

## Sample opportunities

Content always available

Content in diverse media

Novel assessment/evidence

Collaborative opportunities

Additionality (eg calendaring,  
communication etc)





# Inclusion benefits

Sample opportunities	Notable beneficiaries
Content always available	Short term memory, LDs
Content in diverse media	Dyslexia, LDs, Deaf, ESOL, VI
Novel assessment/evidence	Dyslexia, LDs, ASD, Deaf, ESOL, VI, MI
Collaborative opportunities	ASD, Deaf, VI
Additionality (eg calendaring, communication etc)	Dyslexia, LDs, ASD





# Increased tutor repertoire

- PowerPoint to go... retrofit or bespoke
- Make me a podcast... by speaking or writing..
- Make me a video without a camera... or with one





# Key principles

- For the time I spend doing it does it add value to learners compared to what I usually do?
- Do the skills I develop in exploring this broaden my repertoire of teaching approaches?
- Can I engage learners I've not been able to engage previously?





# Where to begin

## Inclusive mobile learning

- JISC TechDis upwardly mobile resource [www.techdis.ac.uk/upwardlymobile](http://www.techdis.ac.uk/upwardlymobile) - getting started with text, images, video and audio.



# Upwardly Mobile

## Upwardly Mobile - Getting Started in Inclusive m-Learning

JISC TechDis

### Module Content

Upwardly Mobile  
Introduction

### Inclusive m-Learning

Inclusive m-Learning

### Creating mobile content to support inclusion

Creating mobile content to support inclusion

### Distributing mobile content

Distributing mobile content

### Where to next?

Where to next?

### Related information

Copyright  
Accessibility Statement  
Contact Information

Upwardly Mobile

## Upwardly Mobile

### Foreword

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Mobile learning is a fast-maturing technology offering opportunities and challenges in equal measure. Learning with mobile devices can bring many inclusion benefits, enabling learners to access content wherever and whenever they choose, and using a device they know they can operate. m-Learning therefore has vast potential to enhance learning opportunities for all, and to level the playing field for learners with specific needs.

The JISC TechDis Service is delighted to be working across the education sector throughout the UK, and with agencies such as the Learning and Skills Network (LSN) following their highly successful MoLeNet projects, to explore the accessibility benefits and barriers of mobile learning on **Upwardly Mobile**, and in the companion publication **GoMobile!** The experience and expertise of a number of highly-respected practitioners and technologists from HE, FE, and the Independent Specialist Colleges





# GoMobile!



<http://tinyurl.com/LSN-GoMobile>

# Learning for living and work

## Welcome

Welcome to the JISC RSC YH Excellence in inclusivity portal which has been developed to help promote best practice and share knowledge to support enhanced inclusivity. This portal provides a simple route to accessing a range of case studies which show how inclusivity has been enhanced through the use of appropriate technology.

Click on one of the options below to explore the case studies by learner need, technology used or by organisation involved.

**L**

The **Learner Needs** section allows you to search the case studies by a specific learner need. Click the button to find out more.

Select all learner needs



GO

**T**

The **Technology** section allows you to search the case studies by different technology types. Click the button to find out more.

Select all technologies



GO

**O**

The **Organisation** section allows you to search the case studies



Find out more about the Excellence in Inclusivity forum and JISC RSC YH support on our website:

[www.rsc-yh.ac.uk](http://www.rsc-yh.ac.uk)

<http://inclusivity.rsc-yh.ac.uk/>

# MoLeNET



The screenshot shows the MoLeNET website homepage. At the top left is the MoLeNET logo, which features a stylized blue and orange bear-like character next to the text 'MoLeNET'. To the right of the logo is a search bar with a 'Search' button. Below the logo and search bar is a purple navigation bar with links for 'Home', 'About', 'FAQs', 'News', 'Who's who', and 'Contact Us'. The main content area is divided into three columns. The left column contains a vertical menu of links: 'How to get involved', 'MoLeNET Projects', 'MoLeNET Events', 'The wider MoLeNET Community', 'Information and networking', 'Research and evaluation', 'Health and safety', 'Mobile Learning Conferences', and 'International association'. The middle column features a large orange heading 'Welcome to MoLeNET!' followed by a paragraph of text: 'The Mobile Learning Network (MoLeNET) is a unique collaborative approach to encouraging, supporting, expanding and promoting mobile learning, primarily in the English Further Education sector, via supported shared cost mobile learning projects. Collaboration at national level involves colleges and the [Learning and Skills Council \(LSC\)](#) sharing the cost of projects introducing or expanding mobile learning and the [Learning and Skills Network \(LSN\)](#) providing a support and evaluation programme. The MoLeNET support and evaluation programme includes technical and pedagogic advice and support, materials development, continuing professional development...'. The right column contains three sections: 'Accessibility' with links for 'Text size A | A+ | A++' and 'Site map \*'; 'MoLeNET Resources' with a link for 'MoLeShare...' and a small image of two people looking at a device; and 'Mobile Technologies' with a link for 'MoLeTech...' and a small image of a mobile phone.

**How to get involved**

- MoLeNET Projects
- MoLeNET Events
- The wider MoLeNET Community
- Information and networking
- Research and evaluation
- Health and safety
- Mobile Learning Conferences
- International association

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### Accessibility

Text size [A](#) | [A+](#) | [A++](#)

[Site map](#) \*

### MoLeNET Resources

[MoLeShare...](#)

### Mobile Technologies

[MoLeTech...](#)

<http://www.molenet.org.uk/>

# MoLeSHARE



MoLeSHARE

Sharing learning materials and good practice

a a a T

INTRODUCTION

EXAMPLES AND TOOLS

RESOURCES

ADD TO SITE

Resources from Examples and Tools can be downloaded to mobile devices and virtual learning environments.

Keyword   9 pages list **179 examples/tools**

search examples and mobile tools  mobile tools only  examples only

order by  title  date added

[go back](#) | [advanced search](#)

Example Materials

## 3D Geometry

[show detail](#)

Area 09: Arts - media and publishing

A learning object designed for Level 4 students of General art and design. It illustrates the key concepts surrounding particular the five regular (or Platonic) solids, and their development and application to art, design and architecture. Geometry has developed, the structure and complexity of different types of solid and some of the applications of relationships between the Platonic solids, their development into the semi-regular or Archimedean solids and their how they were used as the basis for a new form of architecture in the twentieth century - geodesic domes.

*added on 04 June 2008, Danny Atwere, LSN originally developed by BECTA (Ref: 52)*

<http://www.learningtechnologies.ac.uk/moleshare/>



# MoLeTECH

## Mobile Learning

This site aims to share ideas and practice - to see how m-learning can enhance the learner's experience wherever and wherever they may be.

### Devices



So you're thinking about buying some devices and unsure what to go for? The [Devices](#) section introduces you to the latest technologies and offers tips and hints about where to look for mobile bargains. This section also looks at some of the potential functionalities of each device.

### Practice



Why not visit the [Practice](#) section and become inspired to see how the devices can be used to manage and deliver learning and how they can support individuals and groups. Browse the stories; see how people have put m-learning into reality. See what works and what doesn't work in practice - for tutors and for learners.

### How to



The [MoLeShare](#) website provides you with resources that others have already created for mobile devices.

So are you interested in creating your own resources? The [How To](#) section offers guides, tutorials and tips on content creation for mobile devices.

### Free Stuff



Freeware, shareware and lots more. The [Free Stuff](#) section offers ideas and suggestions to help you become creative and inspirational when using a mobile device.

### News



Find out what's going on in the world of mobile technology and pick up the News - whether it is about gadgets, emerging technologies or current practice across the sector. Subscribe to the news feed that appeals to you.

### Tips4u



MoLeNET Project managers have given you their tips, advice and suggestions relating to the technologies chosen and the procurement of devices. The [Tips4u](#) section includes many extracts from these reports.

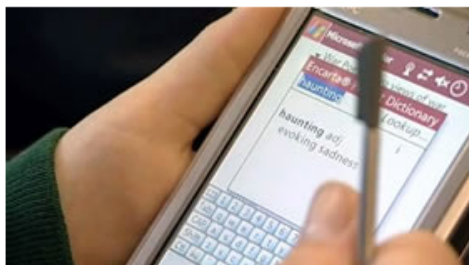
<http://molenetprojects.org.uk/moletech/>

# NIACE

Mobile Technology – the handheld choice

Home Mobile technology Links Contact

**Mobile Technology – the handheld choice** is a site for managers and practitioners in the Adult Learning sector. The site offers a treasure chest of pedagogical approaches with practical suggestions and examples of how and why handheld devices can be used in teaching and learning in the Adult Learning sector.



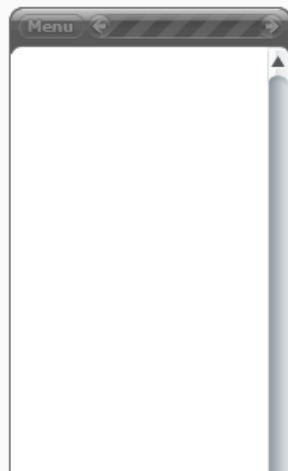
Why not start at the [Mobile Technology](#) section to consider why to incorporate handheld devices in an adult learning environment and then explore the [In Practice](#) section to see how they have been used and read learner and tutor comments.

So what do you know?

How much do you know about mobile technology? [Take the Mobile Technology quiz](#)

Contact

[Find out more about key organisations and initiatives](#)



[Mobile technology](#)

[In Practice](#)

Examples and ideas showing practical ways to use the different devices in the classroom and out and about

[Choose the Right Device](#)

What to look for when buying the devices, reviews and suggestions

[FAQs for Organisations](#)

Issues and questions that organisations experience

[Technical Tips](#)

Troubleshooting, software and hardware solutions

[Making it Accessible](#)

Ways to use the technology accessibly

[The Future](#)

The changing world of handheld devices

<http://www.niace.org.uk/mobiletechnology/>





# Free Assistive Technology

- **Inbuilt** – [www.techdis.ac.uk/staffpacks](http://www.techdis.ac.uk/staffpacks) - see **Benevolent Bill** pack for personalisation options.
- **Web based** – eg mind-mapping and text to speech. - ([www.mindmeister.com](http://www.mindmeister.com), [www.yakitome.com](http://www.yakitome.com), [www.robobrace.org](http://www.robobrace.org))
- **Networkable or locally loaded** – eg dictionary, word prediction, screen tinting etc.
- **Portable** - eg text to speech, magnification, organising and planning  
[www.techdis.ac.uk/getfreesoftware](http://www.techdis.ac.uk/getfreesoftware)
- Excellent facility for free portable applications at [www.eduapps.org](http://www.eduapps.org)



# The Pleasure of Portable

- Learner independence

- Own software
- Own memory stick
- Always with you



- Learner choice

- Most colleges ONLY have TextHelp Read and Write Gold for text to speech and Inspiration for mindmapping. Portable applications broaden options.
- Most learners want to choose where they work, not have to go to specific machines or even to need to be in college to get supporting software.





# Flavours of AccessApps

- Full works (1.4Gb – long download!)
- Lite version
- Pick and Mix
- Own selection for distribution using Word or PowerPoint menus.





# Conclusions

- It's not about technology, it's about learning
- It's not about disability issues its about inclusion issues
- It's not about the future, it's about the present
- It's not about big budgets, its about little ideas

