



Exploring Assistive Technology Solutions for LD

Carolyn Phillips & Martha Rust, Tools for Life
With contributions from TFL Team

www.gatfl.org

For Handouts: <http://www.gatfl.gatech.edu/tflwiki>

**AOGPE
Conference
2016**

www.amacusg.org





Welcome to the Assistive Technology Revolution!

The world around us is evolving at an astounding rate. Assistive Technology developments have been foundational in this evolution and a catalyst for producing positive life-changing results for individuals with disabilities.

This session will take a closer look at:

- AMAC | Tools for Life – AT Act Program
 - Advocacy & Knowing Your Rights
 - Making and LD Evaluation Your Action Plan
 - Understanding Assistive Technology
 - Using “Low/Light Tech” to inform “Mid/High Tech Solutions”
 - 5 Trends to Watch
 - where we are and perhaps, where we are going.
- ...all in about 60 minutes!

For Handouts: <http://www.gatfl.gatech.edu/tflwiki>



AMAC

AMAC Accessibility is a social change organization on a mission to create affordable services for governmental, private and non-profits organization working with individuals with disabilities. Services include e-text, braille, captioning, assistive technology, office management software and consulting.





Accessibility Made Smart

AMAC creates practical solutions that work, with a focus on utility, ease of use, and high quality.

- **Accessibility Consulting** focuses on organizational accessibility needs with evaluation, technical assistance, customer support, and website accessibility solutions.
- **Braille Services** produces customized projects from both print materials and electronic text including partial books and chapters or graphics only using cutting-edge technology.
- **Captioning Services** makes classrooms, meetings, labs and other audio environments fully accessible for deaf or hard-of-hearing.
- **Professional E-Text Producers** provide high-quality e-text in many formats such as PDF, DOC, DAISY, and HTML.
- **Certified Assistive Technology team** provides on-site and remote assessments, demonstrations, training and technical assistance for education, work, and daily living environments.

For more information, please visit our website at www.amacusg.org

TFL AppFinder



Georgia Tech **TOOLS for LIFE**
Georgia's Assistive Technology Act Program

HOME ASSISTIVE TECHNOLOGY TFL NETWORK CALENDAR OF EVENTS   Search our Site Go

TRAINING
FUNDING
PUBLICATIONS
TFL WIKI
MEET THE TFL TEAM
MEET THE ADVISORY COUNCIL
DIRECTIONS/MAP
JOIN OUR MAILING LIST
SCHEDULE A TOUR

Welcome AT Services Try AT Get AT AT Guides Research

Learn More about AT through Hands-On Demonstrations

• • • • •

Welcome to Tools for Life

Tools for Life, Georgia's Assistive Technology Act Program, is dedicated to increasing access to and acquisition of assistive technology (AT) devices and services for Georgians of all ages and disabilities so they can live, learn, work and play independently and with greater freedom in communities of their choice.

Tools for Life and the TFL Network work collaboratively together to accomplish our mission through:

IDEAS CONFERENCE

JUN 2 Epworth by the Sea, St Simons Island

WEBINARS

MAY 28 [Georgia's Leadership Model for Increasing Accessible ICT in State Government](#)

JUN 25 [Learn More and Do More: Exploring Accessibility and Apps for Android](#)

JUL 30 [Position for Work: A Closer Look at Workplace Accommodations & Assessments](#)

- Current Webinar Schedule
- Webinar Archives

TOOLS FOR LIFE APPFINDER



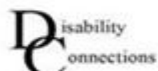
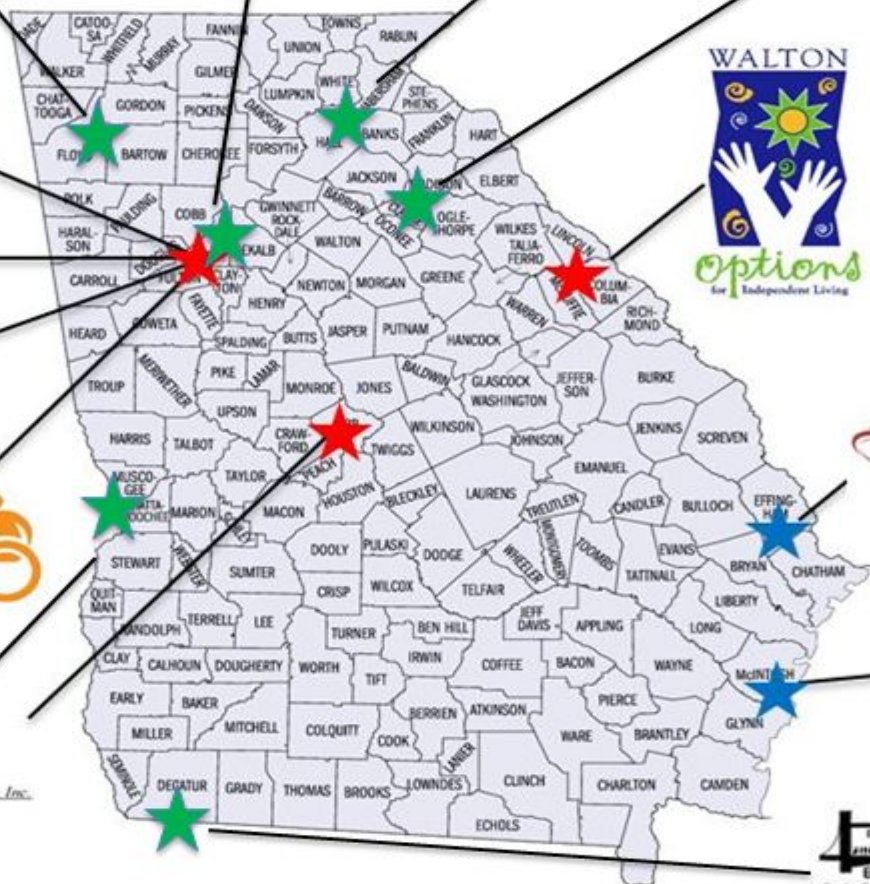
...for Living, Learning, Working, and Playing.

AT ONLINE EXCHANGE





The TFL Network is Growing!



The Middle Georgia Center for Independent Living, Inc.



AT Acquisition!

- Tools for Life endeavors to break down the barriers which prevent individuals with disabilities, their families, and service providers from acquiring and effectively using Assistive Technologies to gain greater independence.
- To insure that AT products are available to Georgians with disabilities
- Eliminate Funding Barriers



Why Assistive Technology?

- For a person without a disability, technology makes things easier....
- For a person with a disability, technology makes things possible.
- **TIP: USE AT. I have yet to meet a successful student with disabilities who doesn't use Any AT.**



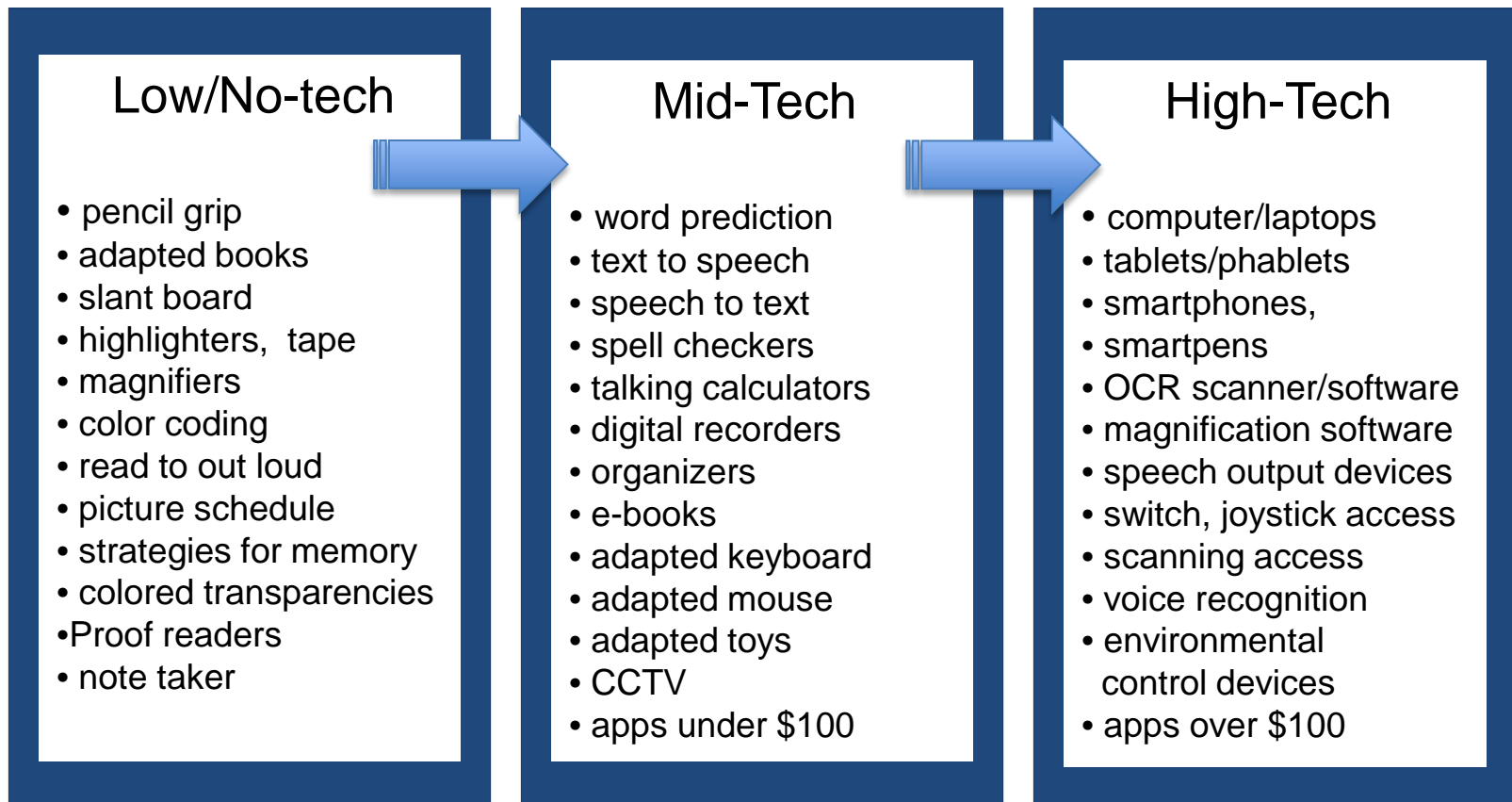
Future

- Level out the playing field
- The Future is Contextual
 - GPS apps
 - Ads on Internet
 - Smart watches
 - Social Media

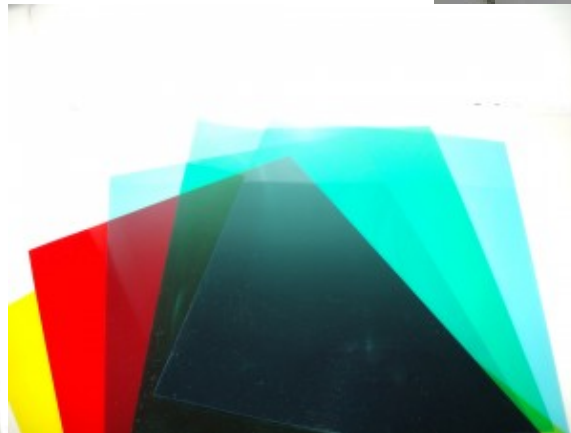


Observations & “Hanging out with Intent”

Assistive Technology is a **continuum of tools, strategies, and services** that match a person’s needs, abilities and tasks.



Low Tech AT Solutions



Low Tech Solutions

Writing Solutions:



- “The Penagain takes a novel ergonomic approach to ink pen design. The body of the pen is shaped like a "Y" creating a cradle for the index finger to rest in.”

<http://ergonomics.about.com/od/buyingguide/fr/frpenagain.htm>



- Wide barrel pens can make it easier for some people to write due to their contoured shape. With a Fat Ergonomic Pen there's more surface area to grip which makes it easier to write.



Low Tech

- Built up grips
 - Variety
 - Create your own using tennis balls
- Larger / thicker pencils
- Electronic Spellers
 - Franklin Spellers

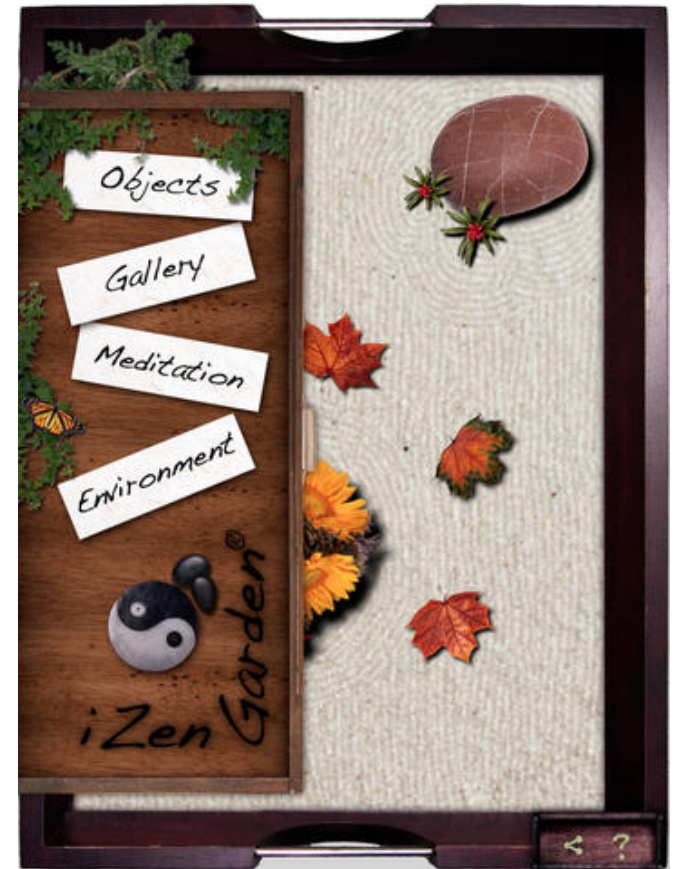


Live Scribe Pen

- Records what it hears and what you write
- Uses specific paper for playback
- Connects to computer by USB for saving
- Tap on note and playback from there
- Jump forward and back in notes
- Dictionary
- Translation Apps
- Purchase Apps online
- [Demo](#)



Considering No/Low Tech to High Tech





Moving from Information to Action

Evaluations for Learning Disabilities

- ☐ One to one assessment
- ☐ Comprehensive battery of tests
- ☐ Detailed report with recommendations for support in work and/or learning

- What did You learn in your LD Evaluation?
- Moving from Information to Action
 - Using your Evaluation results as an Action Plan for AT

Information to an AT Action

Dyslexia

- A specific learning disability that affects reading and related language-based processing skills. Dyslexia is sometimes referred to as a Language-Based Learning Disability.
- The severity can differ in each individual but can affect:
 - reading
 - fluency,
 - decoding,
 - reading comprehension,
 - recall,
 - writing,
 - spelling, and
 - sometimes speech and can exist along with other related disorders.
- What does this information tell us regarding our AT Action Plan?

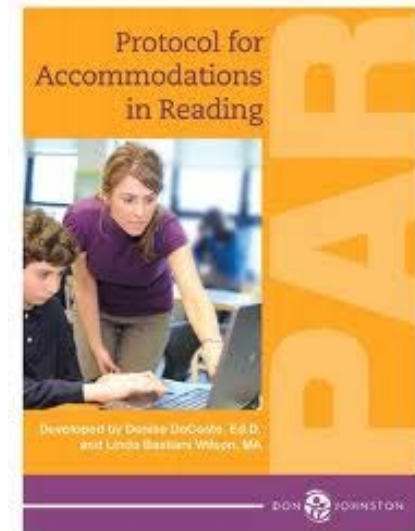


Moving from Information to AT Action Plan

- What does this information tell us regarding our AT Action Plan?
- Avoid the temptation of a “cookie-cutter approach”
- Customize approach – No 2 individuals are the same. We all have different strengths and Abilities to build upon.

PAR: Protocol for Accommodations for Reading

- Don Johnston
- Assist with accommodations for reading
- 3 Steps
 - 1) Student's Oral Reading
 - 2) Adult Reader
 - 3) Text Reader
- How did the student like?
- Help with adding in AT for reading solutions





The “FAST” Track

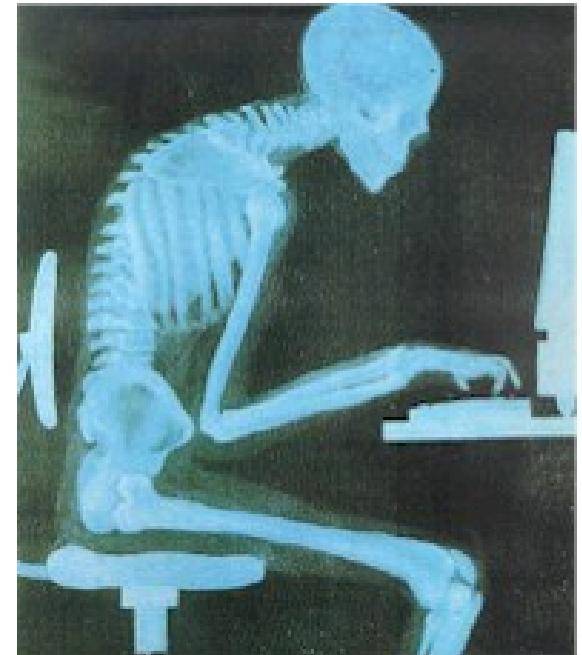
- **Frustration**
- **Anxiety**
- **Stress**
- **Tension**

Human Activity Technology (HAAT) Model

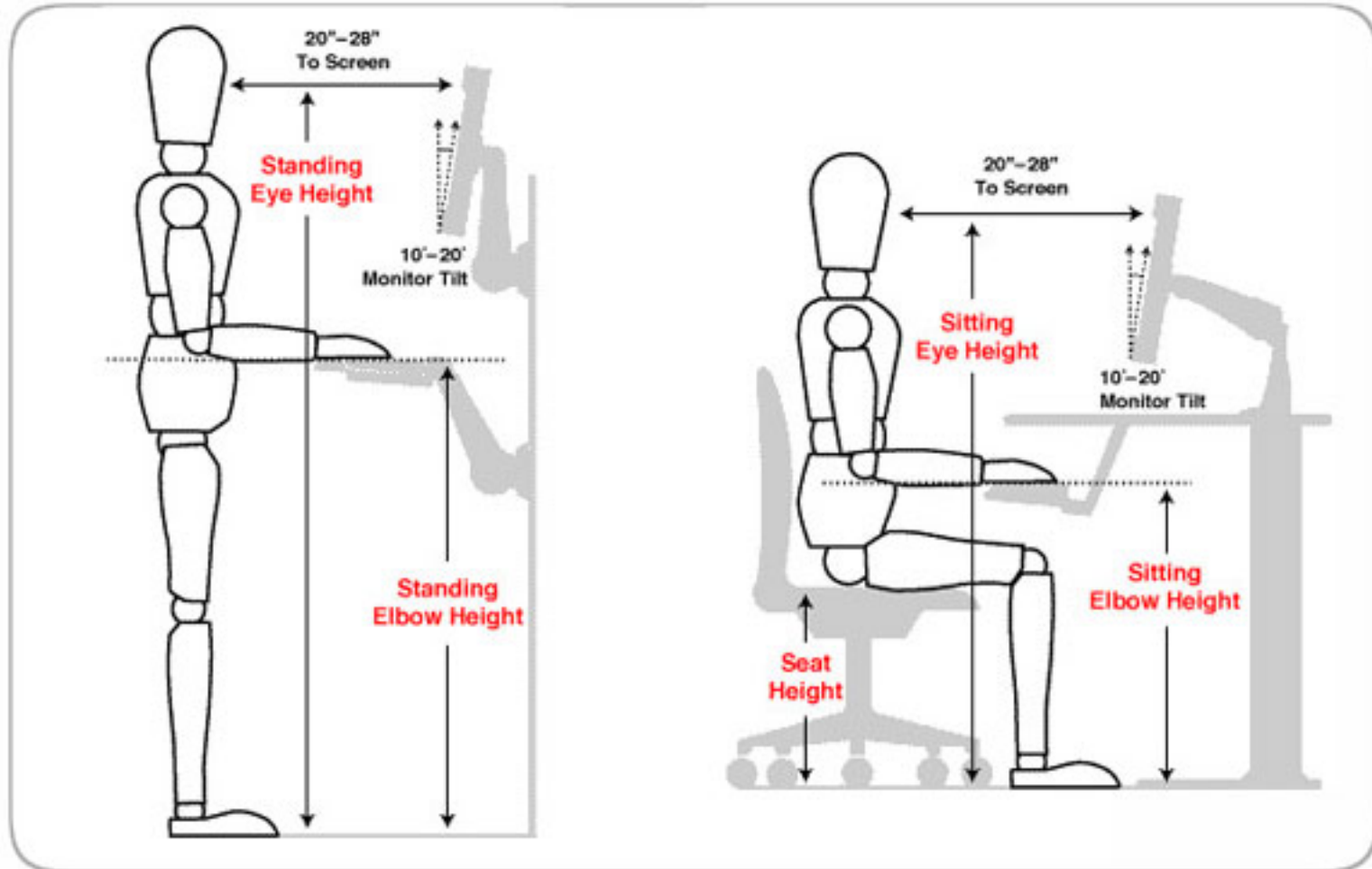
- Human: represents the skills and abilities of the person with a disability
- Activity: a set of tasks to be performed by the person with a disability
- Context: the setting or social, cultural and physical contexts that surround the environment in which the activity must be completed
- Assistive Technology: devices or strategies used to bridge the gap between the person's abilities and the demands of the environment

Ergonomics

- Inhibits blood flow
- Creates muscle shortening
- Stresses back muscles and compresses spine
- Can inhibit learning
- Compresses diaphragm
 - Affects breathing
 - Voice quality



Ergonomics in the Classroom



Lumo Lift

- Lumo for back and head/shoulders
- Sends gentle vibration alert when posture needs to be corrected



Know Your Tablets

Microsoft Surface

- Windows 10
- Slim and has a USB port
- Moveable Tiles
- Built-in Accessibility
 - Speech-to-text
 - Narrator
 - Magnifier
 - High contrast
- Thin pressure sensitive cover that doubles as a keyboard
- Starts at \$499



Samsung Galaxy Tab 4



- Android System
- 7, 8, 10, 12 or 18" in screen
- Camera
- Micro card
- Wi-Fi
- USB for computer
- Some built-in accessibility app
 - Download others
- Starts at \$149.99

Apple iPad Pro/Air/Mini

- Multi - touch screen
- Smart Keyboard with iPad Pro
- New iOS 9
- Millions of apps
- Surf web
- iTunes
- HD Video
- Organization
- Accessibility
- Books
- Photos
- Speakers
- 5.0 megapixel camera



Built-in Accessibility Features

- VoiceOver
- Zoom
- Large Text
- Invert Colors
- Speak Selection
- Speak Auto Text
- Mono Audio
- Assistive Touch
- Guided Access
- Home-Click Speed
- Switch Access
- Braille Displays

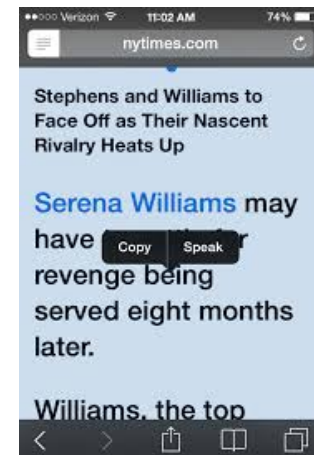


Creating Keyboard Shortcuts

- Go to General => Keyboard and make sure Shortcut is turned on
- Go to Add New Shortcut
- Put in your Phrase
- Create Short Cut
- Example:
 - Phrase : Martha E. Rust, MS CRC ATP
 - Shortcut is: MER
 - So when MER is typed it will put in the above Phrase
 - OMW => On My Way!

Apple: Read Text Out Loud

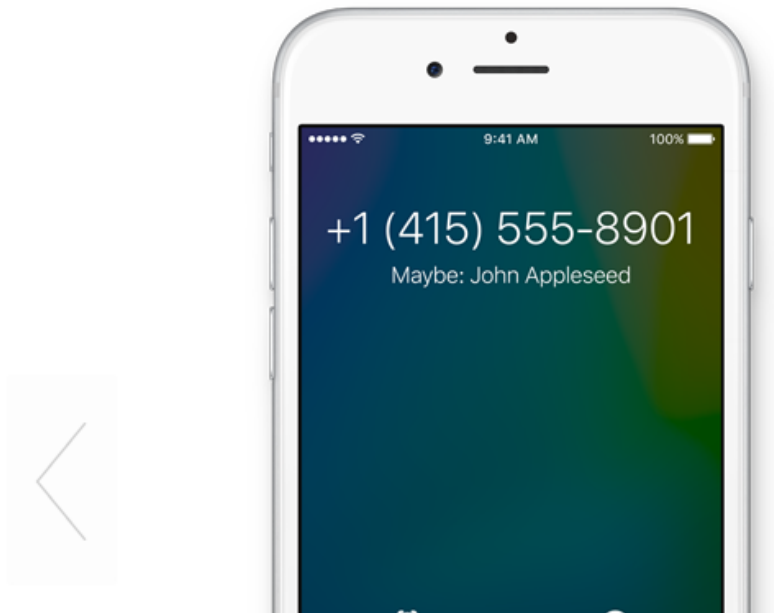
- Open the Settings app on your home screen.
- Tap the General tab.
- Scroll down and tap the Accessibility tab.
- Tap the Speak Selection option (it should be set to off, currently).
- Tap the toggle switch to turn it on. You
 - can also adjust the rate of speech as well.
- Highlight any text like you would if you were going to copy it but tap the "Speak" button instead.
 - This option will change to "Pause" while the text is being spoken so you can stop it at any point.
- Can choose to highlight as it reads



iOS 9 More Powerful Siri

Meet your proactive assistant.

Based on the apps you commonly use and the time of day you use them, you'll get intelligent suggestions for what you might want to do next — even before you ask.

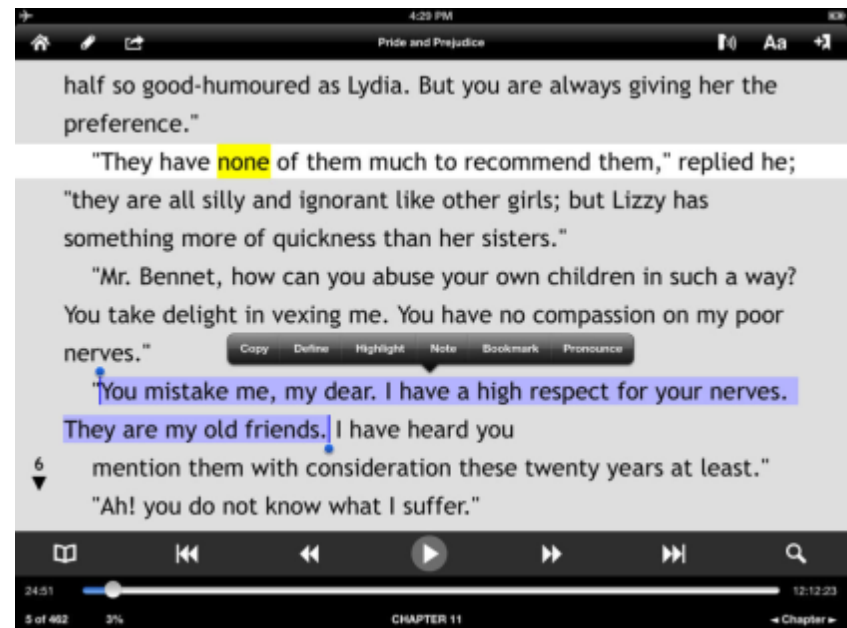




Voice Dream

- Text to Speech
- Highlights as it reads
- Import
 - Bookshare
 - Dropbox
 - Gutenberg
 - Word Doc
 - PDFs
- Buy different voices
- Change rate of speed

- Download for later reading
- \$9.99



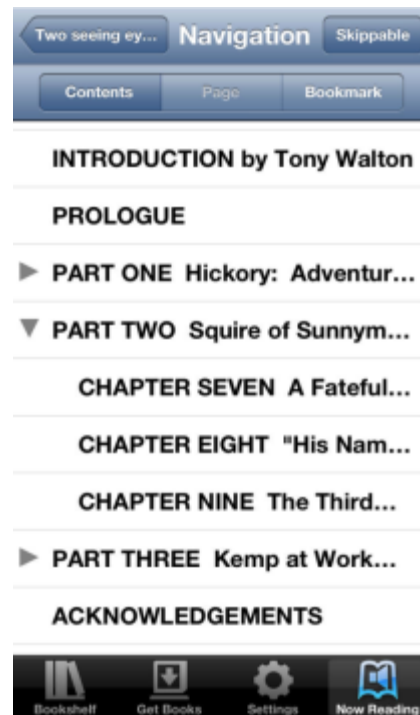
Genius Scan



- Scan documents or handwritten notes
- Email the scans as JPEG or PDF
- Free
- Genius Scan Plus (\$2.99) allows upload to Dropbox, Skydrive or Evernote



BARD Mobile



- Access directly to the National Library Service for the Blind and Physically Handicapped (NLS)
- Must be registered
- Settings
- Can use with braille display
- <http://www.loc.gov/nls/find.html>
- Free



Refurbished Tablets

- If you do not need the latest and greatest consider an older models for a discount
- Want to make sure that refurbish tablets have been certified
- Look for at least 1 year warranty
- Many places now sell
 - Apple
 - BestBuy
 - Amazon




Microsoft: Trade-in Your Ipad

Save some
green



Trade in old devices or games
for a Microsoft Store gift card

Find a Microsoft Store near you

 Enter a city and state or postal code

Don't throw away free money. Trade in before you upgrade.

To get started, simply bring your laptop, tablet, phone or games to your local Microsoft retail store and check out our competitive trade-in program. If your device or game has value, we'll provide you with a Microsoft retail store credit so you can trade up to the latest device or hottest game titles.* If it doesn't have value, we will wipe it of all data and safely recycle it for you. It's fast, easy, and free of charge.



Microsoft Surface - Options

Compare Surface Models

If you're looking for

If you're looking to:

Screen size and weight



Surface Book

Starting at
\$1,499.00

[Shop now >](#)

The most powerful Surface laptop to handle any task.

Experience all the activities on a Surface Pro 4 and Surface 3 plus:

- Shoot video and edit in Premiere Pro with amazing fluidity and smoothness
- With a discreet GPU, run professional-grade software—Adobe Creative Cloud, AutoCAD, or Visual Studio—without compromise

13.5" 3.34 lbs (1516g)
PixelSense™
Resolution: 3000 x 2000



Surface Pro 4

Starting at
\$799.00

[Shop now >](#)

The perfect balance of size and power for working on the go.

- Run desktop software just like a laptop
- Stream music and movies
- Write and draw directly on your screen
- Organize and enhance photos
- Make music with professional grade apps
- 3D modeling with Auto Cad (i7 models only)

12.3" 1.73 lbs (786g)
PixelSense™
Resolution: 2736 x 1824



Surface 3

Starting at
\$499.00

[Save \\$150 >](#)

The smallest and most compact member of the Surface family

- Run desktop software just like a laptop
- Stream music and movies
- Write and draw directly on your screen

10.8" 1.37 lbs
Full HD Display
Resolution: 1920 x 1280



Surface – Ease of Access

Ease of Access options for Surface

- **Narrator:** This tool reads the text on your screen aloud. For more info, see [Hear text read aloud with Narrator](#).
- **Magnifier:** This tool enlarges your screen or parts of it to make words and images easier to see.
- **High contrast:** This option lets you use a high-contrast theme that makes items easier to read on your Surface. Here's how to use a high-contrast theme:
 - Under **Choose a theme**, select a high-contrast theme, select a color for the text or background, and select **Apply**.
- **Closed captions:** This tool lets you control fonts and other features related to closed captions.
- **Keyboard:** This tool lets you control your Surface by using a touch keyboard.
- **Mouse:** This option lets you change the size and color of the mouse pointer and use the numeric keypad to control the mouse.
- **Other options:** These options make your Surface easier to use.
 - **Play animations in Windows:** To see animations whenever you open and switch apps, select **On**.
 - **Show Windows background:** To see a background image instead of a black background on the Desktop, select **On**.
 - **Show notifications for:** If notifications appear and disappear too quickly, choose a time (5, 7, 15, or 30 seconds; 1 or 5 minutes) to change how long they're visible.
 - **Cursor thickness:** If the cursor is too hard to see, you can change its thickness.
 - **Show visual feedback when I touch the screen:** To see a gray animation wherever you touch the screen, select **On**.
 - **Use darker, larger visual feedback (ideal for presentations):** To see a larger, darker animation wherever you touch the screen, select **On**.

Speech Recognition

Windows

Windows 10

Devices

Apps+games

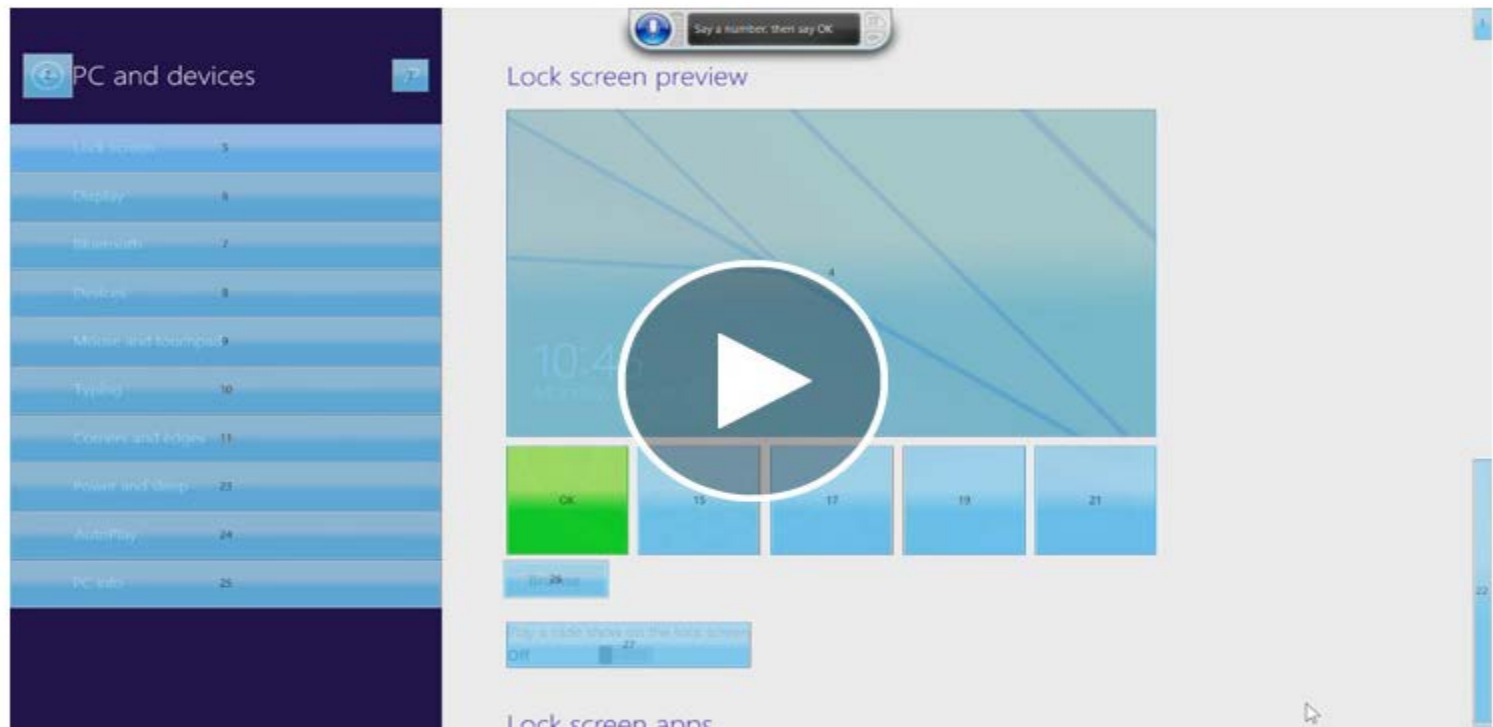
Downloads

How-to

Great things

Windows 10 Windows 10 Mobile Previous versions

How to use Speech Recognition



PC and devices

- Lock screen
- Display
- Mouse and touchpad
- Typing
- Connect and share
- Power and sleep
- AutoPlay
- PC info

Lock screen preview

10:41 AM

OK 15 17 19 21

23 25

27

29

31

33

35

37

39

41

43

45

47

49

51

53

55

57

59

61

63

65

67

69

71

73

75

77

79

81

83

85

87

89

91

93

95

97

99

101

103

105

107

109

111

113

115

117

119

121

123

125

127

129

131

133

135

137

139

141

143

145

147

149

151

153

155

157

159

161

163

165

167

169

171

173

175

177

179

181

183

185

187

189

191

193

195

197

199

201

203

205

207

209

211

213

215

217

219

221

223

225

227

229

231

233

235

237

239

241

243

245

247

249

251

253

255

257

259

261

263

265

267

269

271

273

275

277

279

281

283

285

287

289

291

293

295

297

299

301

303

305

307

309

311

313

315

317

319

321

323

325

327

329

331

333

335

337

339

341

343

345

347

349

351

353

355

357

359

361

363

365

367

369

371

373

375

377

379

381

383

385

387

389

391

393

395

397

399

401

403

405

407

409

411

413

415

417

419

421

423

425

427

429

431

433

435

437

439

441

443

445

447

449

451

453

455

457

459

461

463

465

467

469

471

473

475

477

479

481

483

485

487

489

491

493

495

497

499

501

503

505

507

509

511

513

515

517

519

521

523

525

527

529

531

533

535

537

539

541

543

545

547

549

551

553

555

557

559

561

563

565

567

569

571

573

575

577

579

581

583

585

587

589

591

593

595

597

599

601

603

605

607

609

611

613

615

617

619

621

623

625

627

629

631

633

635

637

639

641

643

645

647

649

651

653

655

657

659

661

663

665

667

669

671

673

675

677

679

681

683

685

687

689

691

693

695

697

699

701

703

705

707

709

711

713

715

717

719

721

723

725

727

729

731

733

735

737

739

741

743

745

747

749

751

753

755

757

759

761

763

765

767

769

771

773

775

777

779

781

783

785

787

789

791

793

795

797

799

801

803

805

807

809

811

813

815

817

819

821

823

825

827

829

831

833

835

837

839

841

843

845

847

849

851

853

855

857

859

861

863

865

867

869

871

873

875

877

879

881

883

885

887

889

891

893

895

897

899

901

903

905

907

909

911

913

915

917

919

921

923

925

927

929

931

933

935

937

939

941

943

945

947

949

951

953

955

957

959

961

963

965

967

969

971

973

975

977

979

981

983

985

987

989

991

993

995

997

999

1001

1003

1005

1007

1009

1011

1013

1015

1017

1019

1021

1023

1025

1027

1029

1031

1033

1035

1037

1039

1041

1043

1045

1047

1049

1051

1053

1055

1057

1059

1061

1063

1065

1067

1069

1071

1073

1075

1077

1079

1081

1083

1085

1087

1089

1091

1093

1095

1097

1099

1101

1103

1105

1107

1109

1111

1113

1115

1117

1119

1121

1123

1125

1127

1129

1131

1133

1135

1137

1139

1141

1143

1145

1147

1149

1151

1153

1155

1157

1159

1161

1163

1165

1167

1169

1171

1173

1175

1177

1179

1181

1183

1185

1187

1189

1191

1193

1195

1197

1199

1201

1203

1205

1207

1209

1211

1213

1215

1217

1219

1221

1223

1225

1227

1229

1231

1233

1235

1237

1239

1241

1243

1245

1247

1249

1251

1253

1255

1257

1259

1261

1263

1265

1267

1269

1271

1273

1275

1277

1279

1281

1283

1285

1287

1289

1291

1293

1295

1297

1299

1301

1303

1305

1307

1309

1311

1313

1315

1317

1319

1321

1323

1325

1327

1329

1331

1333

1335

1337

1339

1341

1343

1345

1347

1349

1351

1353

1355

1357

1359

1361

1363

1365

1367

1369

1371

1373

1375

1377

1379

1381

1383

1385

1387

1389

1391

1393

1395

1397

1399

1401

1403

1405

1407

1409

1411

1413

1415

1417

1419

1421

1423

1425

1427

1429

1431

1433

1435

1437

1439

1441

1443

1445

1447

1449

1451

1453

1455

1457

1459

1461

1463

1465

1467

1469

1471

1473

1475

1477

1479

1481

1483

1485

1487

1489

1491

1493

1495

1497

1499

1501

1503

1505

1507

1509

1511

1513

1515

1517

1519

1521

1523

1525

1527

1529

1531

1533

1535

1537

1539

1541

1543

1545

1547

1549

1551

1553

1555

1557

1559

1561

1563

1565

1567

1569

1571

1573

1575

1577

1579

1581

1583

1585

1587

1589

1591

1593

1595

1597

1599

1601

1603

1605

1607

1609

1611

1613

1615

1617

1619

1621

1623

1625

1627

1629

1631

1633

1635

1637

1639

1641

1643

1645

1647

1649

1651

1653

1655

1657

1659

1661

1663

1665

1667

1669

1671

1673

1675

1677

1679

1681

1683

1685

1687

1689

1691

1693

1695

1697

1699

1701

1703

1705

1707

1709

1711

1713

1715

1717

1719

1721

1723

1725

1727

1729

1731

1733

1735

1737

1739

1741

1743

1745

1747

1749

1751

1753

1755

1757

1759

1761

1763

1765

1767

1769

1771

1773

1775

1777

1779

1781

1783

1785

1787

1789

1791

1793

1795

1797

1799

1801

1803

1805

1807

1809

1811

1813

1815

1817

1819

1821

1823

1825

1827

1829

1831

1833

1835

1837

1839

1841

1843

1845

1847

1849

1851

1853

1855

1857

1859

1861

1863

1865

1867

1869

1871

1873

1875

1877

1879

1881

1883

1885

1887

1889

1891

1893

1895

1897

1899

1901

1903

1905

1907

1909

1911

1913

1915

1917

1919

1921

1923

1925

1927

1929

1931

1933

1935

1937

1939

1941

1943

1945

1947

1949

1951

1953

1955

1957

1959

1961

1963

1965

1967

1969

1971

1973

1975

1977

1979

1981

1983

1985

1987

1989

1991

1993

1995

1997

1999

2001

2003

2005

2007

2009

2011

2013

2015

2017

2019

2021

2023

2025

2027

2029

2031

2033

2035

2037

2039

2041

2043

2045

2047

2049

2051

2053

2055

2057

2059

2061

2063

2065

2067

2069

2071

2073

2075

2077

2079

2081

2083

2085

2087

2089

2091

2093

2095

2097

2099

2101

2103

2105

2107

2109

2111

2113

2115

2117

2119

2121

2123

2125

2127

2129

2131

2133

2135

2137

2139

2141

2143

2145

2147

2149

2151

2153

2155

2157

2159

2161

2163

2165

2167

2169

2171

2173

2175

2177

2179

2181

2183

2185

2187

2189

2191

2193

2195

2197

2199

2201

2203

2205

2207

2209

2211

2213

2215

2217

2219

2221

2223

2225

2227

2229

2231

2233

2235

2237

2239

2241

2243

2245

2247

2249

2251

2253

2255

2257

2259

2261

2263

2265

2267

2269

2271

2273

2275

2277

2279

2281

2283

2285

2287

2289

2291

2293

2295

2297

2299

2301

2303

2305

2307

2309

2311

2313

2315

2317

2319

2321

2323

2325

2327

2329

2331

2333

2335

2337

2339

2341

2343

2345

2347

2349

2351

2353

2355

2357

2359

2361

2363

2365

2367

2369

2371

2373

2375

2377

2379

2381

2383

2385

2387

2389

2391

2393

2395

2397

2399

2401

2403

2405

2407

2409

2411

2413

2415

2417

2419

2421

2423

2425

2427

2429

2431

2433

2435

2437

2439

2441

2443

2445

2447

2449

2451

2453

2455

2457

2459

2461

2463

2465

2467

2469

2471

2473

2475

2477

2479

2481

2483

2485

2487

2489

2491

2493

2495

2497

2499

2501

2503

2505

2507

2509

2511

2513

2515

2517

2519

2521

2523

2525

2527

2529

2531

2533

2535

2537

2539

2541

2543

2545

2547

2549

2551

2553

2555

2557

2559

2561

2563

2565

2567

2569

2571

2573

2575

2577

2579

2581

2583

2585

2587

2589

2591

2593

2595

2597

2599

2601

2603

2605

2607

2609

2611

2613

2615

2617

2619

2621

2623

2625

2627

2629

2631

2633

2635

2637

2639

2641

2643

2645

2647

2649

2651

2653

2655

2657

2659

2661

2663

2665

2667

2669

2671

2673

2675

2677

2679

2681

2683

2685

2687

2689

2691

2693

2695

2697

2699

2701

2703

2705

2707

2709

2711

2713

2715

2717

2719

2721

2723

2725

2727

2729

2731

2733

2735

2737

2739

2741

2743

Microsoft Apps

Apps for Windows

There are thousands of education apps in the Windows marketplace, from early learning games to study aids and even apps that will help you manage the classroom, with more available every day.



[Guide: Top 100 education apps by subject and grade](#)



[Find education apps for Windows](#)

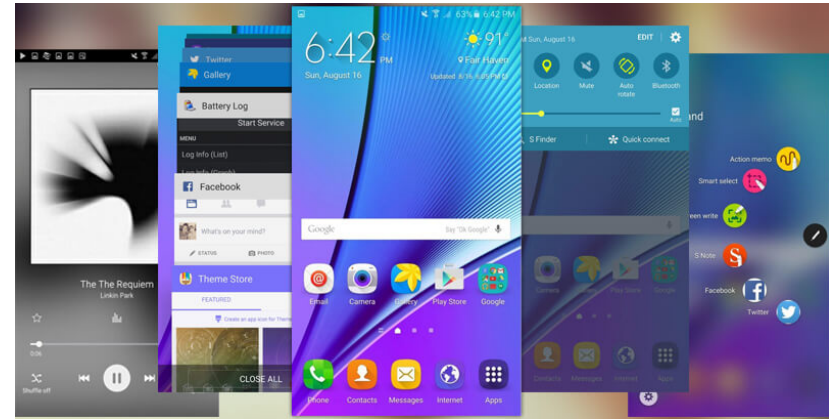


Surface Resources

- <http://www.microsoft.com/surface/en-us/support/personalization-and-ease-of-access/ease-of-access-features>

The World's Most Popular Mobile OS

- Android powers over 1,675,450,000 phones and tablets around the world. 355,000 Android phones are activated daily.
- It's customizable, yet easy to use, and since it's made by Google, it works seamlessly with all your favorite Google apps.



Smartphone Users Pick Android

79% of People Use Android
Smartphones

14.2% of People Use iPhones

6.8% Use Other Smartphones

Samsung Galaxy Tab S2



- 8.0 or 9.7 inch Super AMOLED screen
- 5.6 mm thin, 265-392 grams
- 8 Megapixel Rear Facing Camera, 2.1 Megapixel Front Facing
- Quick Connect and Sidesync allow for easily connecting to other devices.
- \$399 - \$449

Samsung Galaxy Note 5

- S-pen is a built in stylus that allows you to easily access your phone in an intuitive way.
- Wireless charging is built in! Place the device on a charge pad, just grab and go!
- Camera allows video to be recorded in 4K Ultra High Definition
- Ultra Power Saving Mode
- \$696 off contract



Kindle Fire HD/HDX Features

- Download Books and Movies
- Access to Amazon
- Front Facing Camera
 - Skype
- Can Read Books out loud
 - If book has this feature enabled
 - Check on product details page
 - Whispersync for Voice
 - Immersion Reading
- Mayday Button
- Can Change:
 - Font
 - Line Spacing
 - Text Size
 - Background color

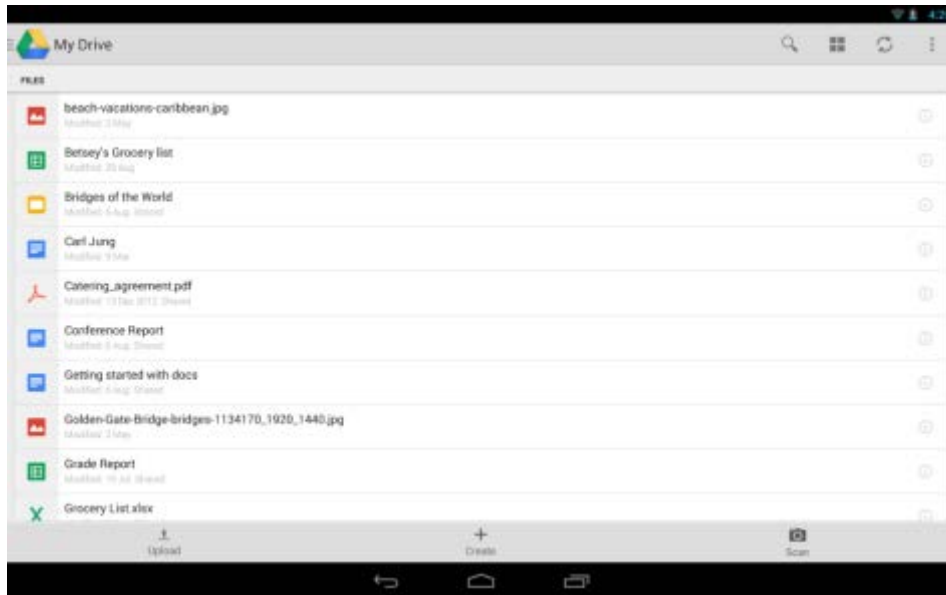


Easy Mode

- In Settings under Home Screen Mode
- Has three home screens
- The main home screen has non removable widgets for the time, date, and weather. You will also find six apps to choose from that have much larger icons
- The left home screen is dedicated to calling
 - Can select up to nine contacts
- The right home screen includes 9 apps that you can customize to whatever you want
- Still have an app drawer
 - All apps are spelled out and in alphabetical order.
- The settings menu and camera interface is also simplified



Google Drive

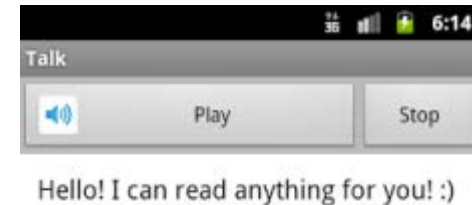


- Upload photos, videos, documents, and other files and access wherever you go
- Share photos and files
- Make files available off-line
- Scan documents with device camera
- Up to 15 GB of storage
- Free



Talk Text to Voice

- Convert text to voice using the Text-to-speech engine on your smartphone
- Allows importing web pages directly from the browser to listen to them
- Can also import selected text from other apps



Resources

- <http://www.android.com/about/>
- [http://en.wikipedia.org/wiki/Android \(operating system\)](http://en.wikipedia.org/wiki/Android_(operating_system))
- [http://en.wikipedia.org/wiki/Android version history](http://en.wikipedia.org/wiki/Android_version_history)
- <http://www.google.com/landing/now/#whatisit>
- <http://www.statista.com/topics/876/android/>
- [http://en.wikipedia.org/wiki/Google Play](http://en.wikipedia.org/wiki/Google_Play)
- <http://getvera.com/controllers/veralite/>
- <http://www.google.com/glass/start/>

RealPad

- Ready to use out of the box
 - Toolbar with large graphics
 - Light weight
 - 16gb of storage
 - Rear and Front facing camera
 - \$99 with 1 year warranty
- Free 24/7 Customer Services



Mobile Tablets/ eReaders

- What do I need?
- Does it read out loud?
- Do I need Apps?
- Change colors?
- Change line spacing?
- Textbooks?
- Fun Reading?





Tools for Life AppFinder

Your TFL AppFinder

Search by:

✓ **App Name**

✓ **Categories**

- Book
- Education
- Environmental Adaptations
- Hearing
- Cognition, Learning, Developmental
- Navigation
- Personal Care and Safety
- Productivity
- Communication
- Therapeutic Aids
- Vision





TFL Gaming Initiative

- There are many benefits to playing games
 - Improved Hand/Eye coordination
 - Increased problem solving and cognitive function
 - Better handle stressful environments
 - Social outlet
- Tools for Life has recognized the importance of play and is starting an initiative dedicated to gaming with disabilities. Some objectives of the program are:
 - Demonstrate the accessibility of gaming
 - Build relationships with developers and aid in creating more accessible games
 - Increase public awareness of the importance of accessibility in games

Pixie

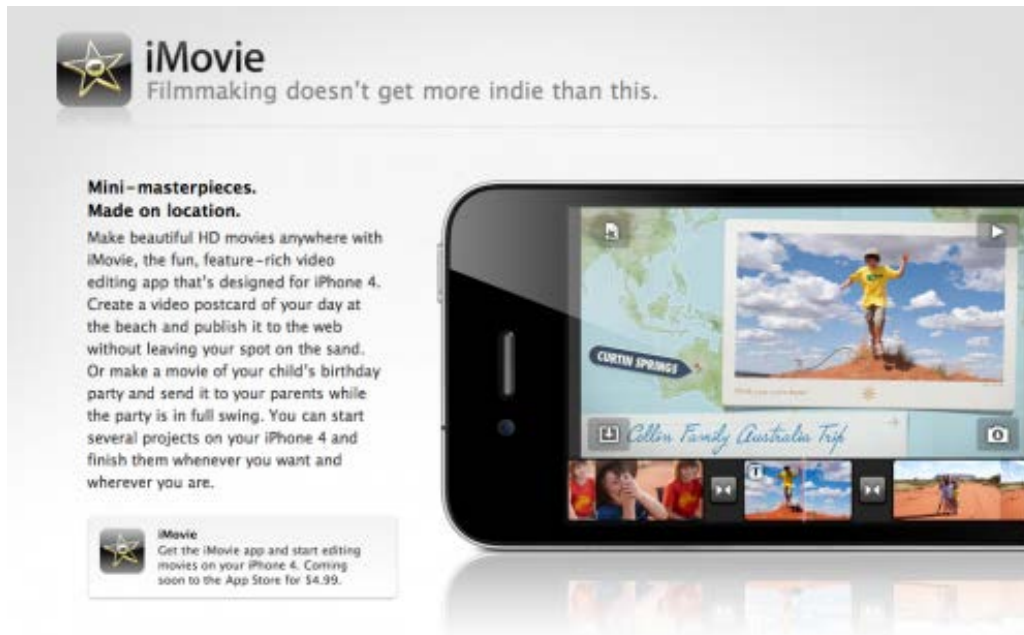
- Maps all of the digital things in your life
- Place a pixie chip on any device and map will tell you it's precise location
- <https://www.getpixie.com/>



iBeacon Technology

- Estimote Beacons
 - Wireless sensors that attached to any location or object
 - Broadcasts radio signals to smartphone
 - <https://www.youtube.com/watch?v=lwnmx-5mBLM>





iMovie
Filmmaking doesn't get more indie than this.

Mini-masterpieces. Made on location.
Make beautiful HD movies anywhere with iMovie, the fun, feature-rich video editing app that's designed for iPhone 4. Create a video postcard of your day at the beach and publish it to the web without leaving your spot on the sand. Or make a movie of your child's birthday party and send it to your parents while the party is in full swing. You can start several projects on your iPhone 4 and finish them whenever you want and wherever you are.

iMovie
Get the iMovie app and start editing movies on your iPhone 4. Coming soon to the App Store for \$4.99.

- Share information via Facebook, Twitter, Email, or SMS
- Upload photos

SkyGrid



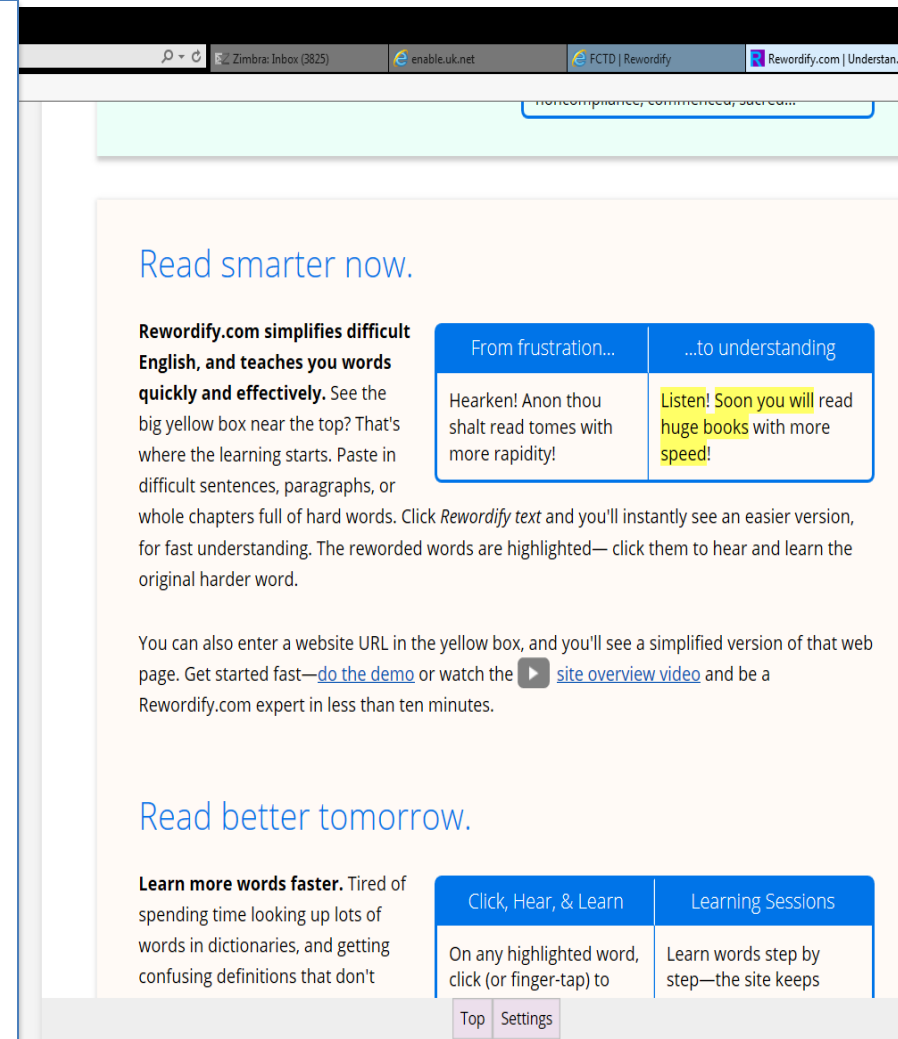
- Personalize news events by categories
- Simple interface
- Free
- www.skygrid.com



Rewordify.com

“Rewordify is a free website that makes English easier to read. In some ways it is similar to a thesaurus, but allows users to enter not just single words, but entire sentences, pages, and even websites, for clarification. Passages are preferred, as difficult words are 'rewordified' using the context of the sentence. For example, paste in "The tempest raged outside while the throng huddled inside.", and it is 'rewordified' into, "the storm raged outside while the crowd huddled inside.”

Students can use this tool to make passages more understandable. Simplified words are highlighted for quick comparison with the original word(s).”



The screenshot shows the Rewordify.com website. At the top, there's a navigation bar with links like 'Zimbra: Inbox (3825)', 'enable.uk.net', 'FCTD | Rewordify', and 'Rewordify.com | Understand...'. Below this is a search bar. The main content area has a heading 'Read smarter now.' followed by a paragraph explaining the tool's purpose: 'Rewordify.com simplifies difficult English, and teaches you words quickly and effectively. See the big yellow box near the top? That's where the learning starts. Paste in difficult sentences, paragraphs, or whole chapters full of hard words. Click *Rewordify text* and you'll instantly see an easier version, for fast understanding. The reworded words are highlighted— click them to hear and learn the original harder word.'

Below the paragraph is a yellow box for pasting text. To the right of the yellow box is a table with two columns: 'From frustration...' and '...to understanding'. The first column contains the text 'Hearken! Anon thou shalt read tomes with more rapidity!'. The second column contains the text 'Listen! Soon you will read huge books with more speed!'. Below the table is a paragraph explaining how to use the tool: 'You can also enter a website URL in the yellow box, and you'll see a simplified version of that web page. Get started fast—[do the demo](#) or watch the [site overview video](#) and be a Rewordify.com expert in less than ten minutes.'

Below this is another heading 'Read better tomorrow.' followed by a paragraph: 'Learn more words faster. Tired of spending time looking up lots of words in dictionaries, and getting confusing definitions that don't'. To the right of the paragraph is a table with two columns: 'Click, Hear, & Learn' and 'Learning Sessions'. The first column contains the text 'On any highlighted word, click (or finger-tap) to'. The second column contains the text 'Learn words step by step—the site keeps'. At the bottom right of the table are two buttons: 'Top' and 'Settings'.

Victor Reader Stream (new generation)

- Handheld media player by Humanware
- Plays DAISY books, MP3, MP4, EPUB
- Records voice and media
- Two built-in, human-sounding voices
- Built-in wireless networking capability
- \$369



Reading Pens

- Scans text,
- Hear it spoken aloud
- Obtains definitions and correct pronunciation within seconds
- Variety of types
 - Wizcom
 - C-Pen Reader
 - IRISPen
 - PenPower
 - Video Touch Pen by MoralRegion



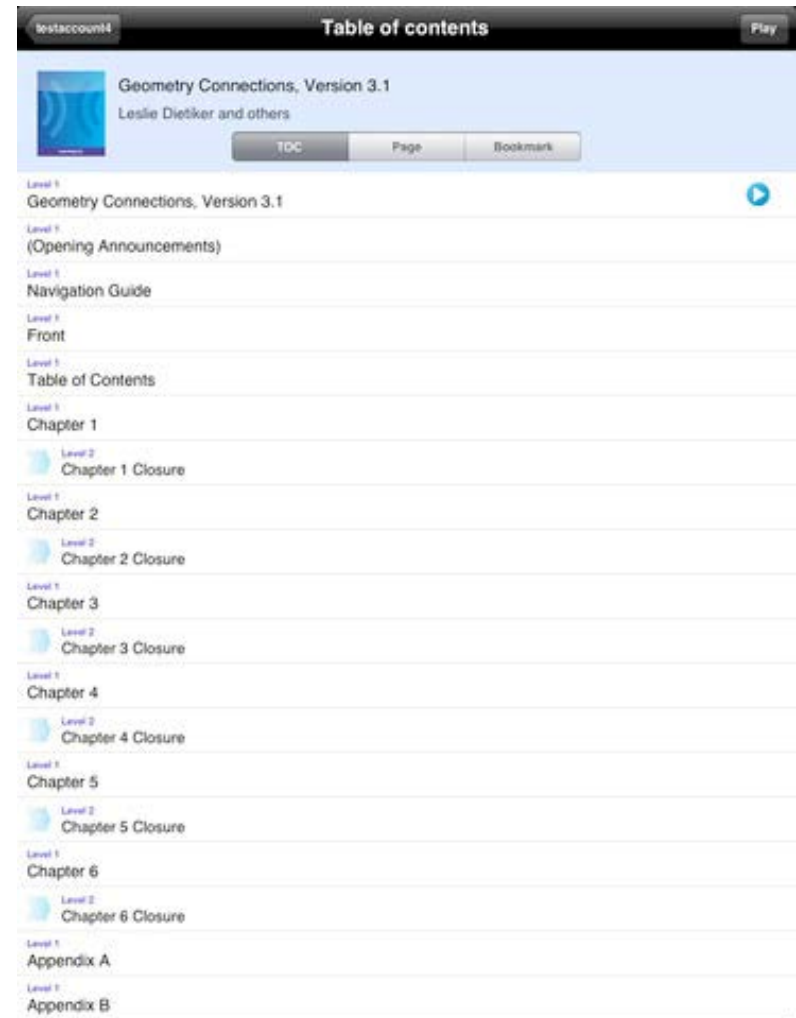
AnyBook Anywhere

- Use to record your voice reading the story
- 200 hours of recording
- Works with any book
- Store recordings on a virtual library
- Share collections with friends
- \$49.99
- Amazon.com



Learning Ally

- Learning Ally
 - [DAISY](#)
 - Membership required
 - over 75,000 audiobooks, audio textbooks, and other recorded books
 - Free Trial



testaccount4 Table of contents Play

Geometry Connections, Version 3.1
Leslie Dietiker and others

TDC Page Bookmark

Level 1
Geometry Connections, Version 3.1

Level 1
(Opening Announcements)

Level 1
Navigation Guide

Level 1
Front

Level 1
Table of Contents

Level 1
Chapter 1

Level 2
Chapter 1 Closure

Level 1
Chapter 2

Level 2
Chapter 2 Closure

Level 1
Chapter 3

Level 2
Chapter 3 Closure

Level 1
Chapter 4

Level 2
Chapter 4 Closure

Level 1
Chapter 5

Level 2
Chapter 5 Closure

Level 1
Chapter 6

Level 2
Chapter 6 Closure

Level 1
Appendix A

Level 1
Appendix B

Bookshare

- Online Accessible Library
- Free membership to qualified students and schools
 - Textbooks if school is member
- 389,675 titles
- Serves individuals with:
 - Vision disabilities
 - Physical disabilities
 - Learning disabilities

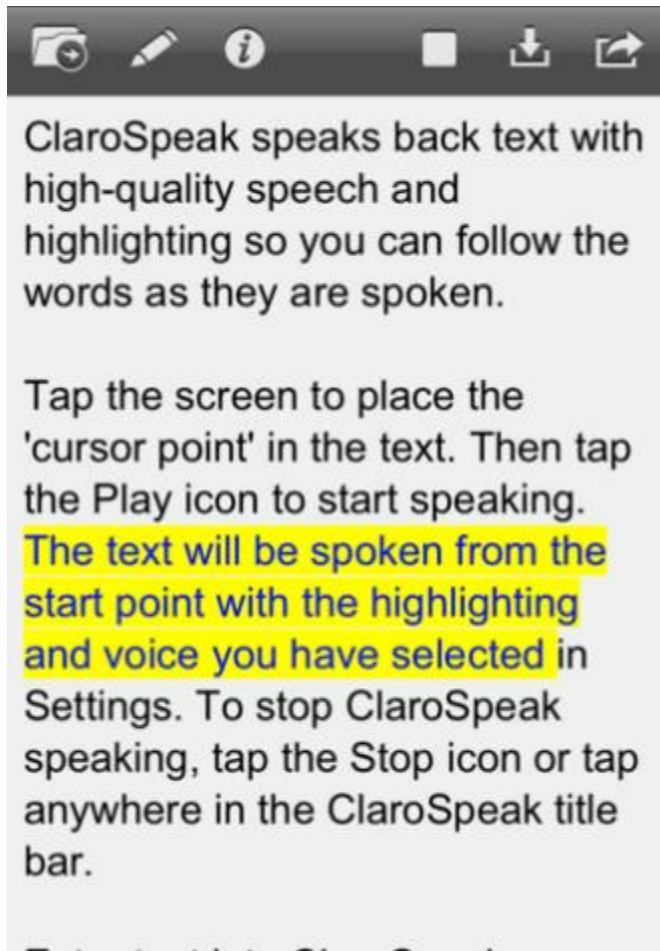


Audible.com

- Digital audiobooks
- Read by Hollywood stars, authors, and professional narrators
- Listen anywhere
- Over 180,000 titles
- Membership
 - \$14.95/ month for one book



ClaroSpeak US



- Text-to-Speech
 - import documents and PDFs into ClaroSpeak from apps such as Mail, or import PDF, Word, Pages and other files directly from Dropbox using
- Change font and color
- Save text as an audio file
- Visual Tracking
- Send Text

ClaroRead

- Reads text as it highlights
- Moveable tool bar
- Can read doc, PDFs, internet, and more
- 7.0
 - Add audio notes
 - Save as mp3 file
 - Save as video
- Can change highlighting colors
- www.claroread.com



Kurzweil 3000

- Text-to-Speech software
- Helps improve reading speed and comprehension
- Note taking capabilities
 - Different color highlighters
- firefly
 - Access many features of Kurzweil through the internet
 - [firefly demo](#)
- Free download trial
 - www.kurzweiledu.com
 - [Kurzweil 3000 Demo](#)



TextHelp

- Text-to- Speech software
- Helps improves reading skills
- Built in text and picture dictionaries
- Study skills highlighter
- Has a Google Chrom version
- www.texthelp.com



WYNN

- What You Need Now
- Internet Features
- Freedom Scientific
- Scanning and Reading software
- Highlights text as spoken
- Icon friendly
- Built in study tools



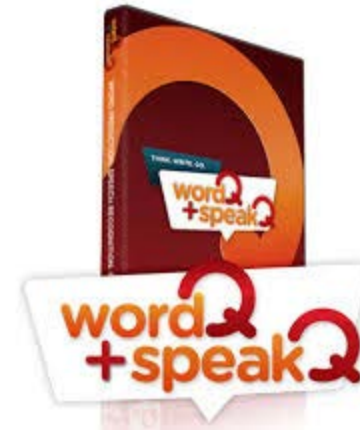
Speech Recognition Software

- Turn spoken words into text
- Connect with the timing of your thoughts
- Dictation speed 70 to 100 words per minute



Word Q/ Speech Q

- Software that has built-in word prediction
- Suggests words
- Spoken feedback to hear what was written
- Speech Q is a plugin for Speech Recognition
- 30 day free trial
<http://www.goqsoftware.com/trial/>



Ginger

- Online grammar and spell checker
- Can see corrections as you type or use Ginger Proofreader to scan the entire document for mistakes
- Will read corrections out loud
- Has a mobile Android, iOS and Windows
- Works inside Word and emails
- Text to Speech
 - Read emails and docs
 - Can choose voice and accent
- [Ginger Demo](#)



Inspiration

- Mind Mapping software
- Allows User to “connect” ideas together
- Add in pictures and hyperlinks
- Can produce an outline form
- Better organization of essays
- \$27.96
- App \$9.99

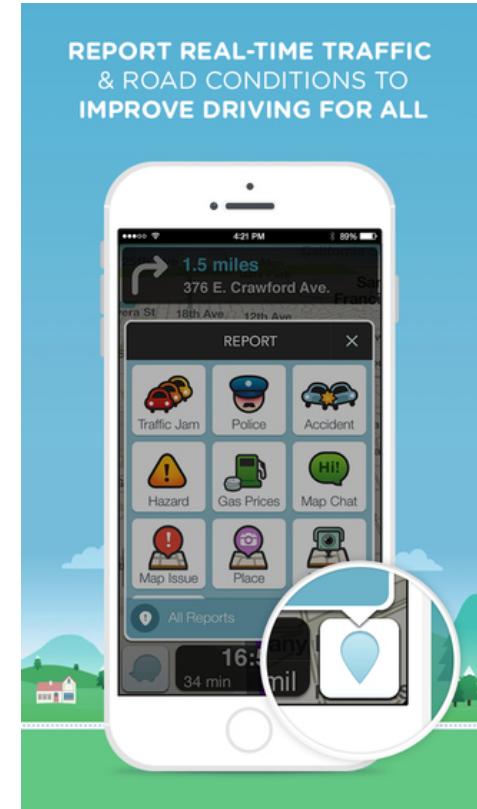
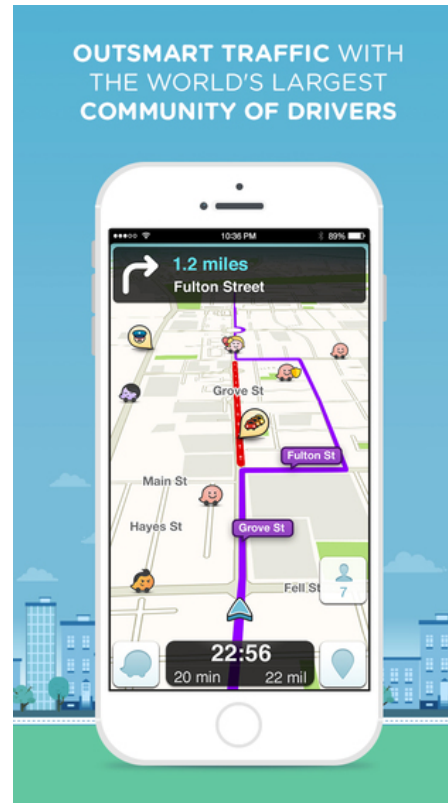


WAZE

FREE!

iOS

- Waze is the world's largest community-based traffic and navigation app. Join drivers in your area who share real-time traffic & road info to save time, gas money, and improve daily commuting for all.



Key Ring App

FREE!

iOS and Android

- All those loyalty cards are hard to keep track of. Key Ring puts all your cards on your phone, so they're there when you need them. Scan and store grocery cards, gym cards, library cards, gift cards... you name it. Loyalty cards scan straight from your phone at the checkout counter, saving you money instantly





What's New In AT!

Typing made Easier

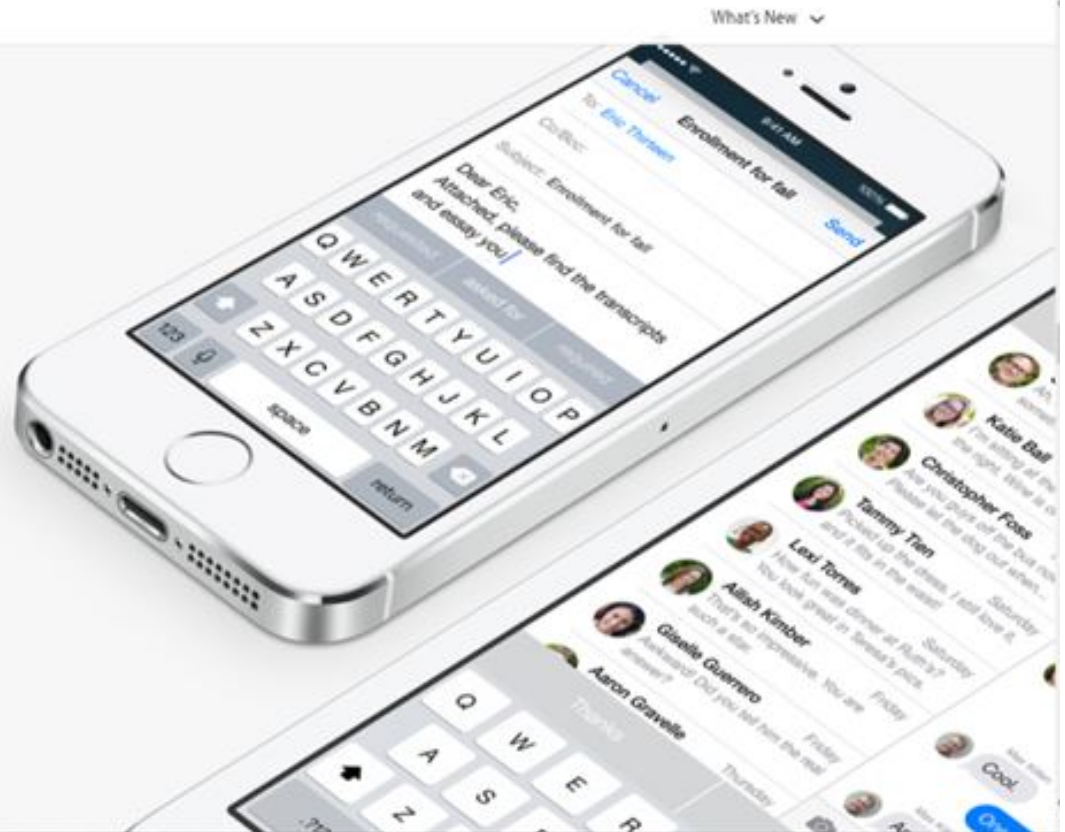
iOS 8 Preview



Our smartest
keyboard ever.

iOS 8 makes typing easier by suggesting contextually appropriate words to complete your sentences. It even recognizes to whom you're typing and whether you're in Mail or Messages. Because your tone in an email may be different from your tone in a message.

[Learn more >](#)





Reminders



- Built-in App
- Works with VoiceOver
- Organize your reminders
- Siri
- iPad

TapTapSee

- Designed to help people with low vision identify objects they encounter in their daily lives.
- Double tap the screen to take a photo of anything, at any angle, and hear the app speak the identification back to you.
- Requires VoiceOver to be turned on.



Apple Watch

- Receive Calls and texts
 - “Inner Circle”
- Apps
- Can be used for fitness
 - Heart Rate Monitor
 - GPS
 - Accelerometer
- “Hey Siri”
- Haptic feed back
- Calendar
- \$499



FitBit

- Fitness tracker
- Variety of styles and colors
- Track Activity
- Track Food
- Track Sleep
- Track Heart rate
- Works with other Apps
- New Smartwatch



 fitbit.
Discover a whole
new world of fitness.



Microsoft Band

- Works across all platforms
- Receives calls and texts
- Uses Cortana
- Keep tracks of steps
- Keeps track of Sleep
- Keeps track of UV
- Keeps track of heart rate
- Choose apps
 - Facebook
- \$199



T. Jacket

- Wearable technology vest
 - Provides customizable deep touch pressure
 - Uses adjustable air pressure compression controlled via smartphone app
 - <http://www.mytjacket.com/>



Amazon Echo



- Speech-controlled speaker system
- Voice recognition - further distances
- Timers, news, information
- Invitation only
- \$199, \$99 Prime members



Breathe2Relax

- Portable stress management tool
- Detailed information on the effects of stress on the body
- Instructions and practice exercises to learn the stress management skill called diaphragmatic breathing



AT for Calming

b-Calm

- Products for adult and children
 - (\$109 -\$205)
- Preloaded audio sedation tracks
 - Acoustic masking signals work to make typically distracting noises unapparent to the user
 - Audio recordings to help with relaxation and focus



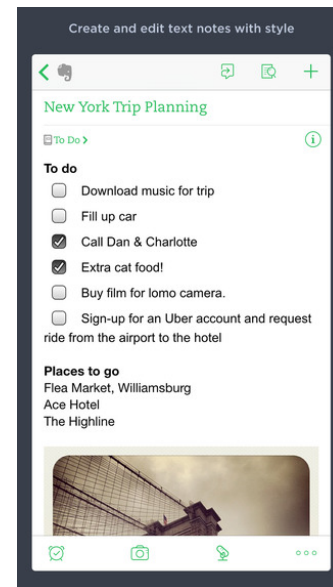
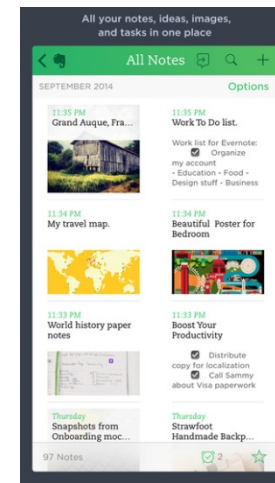
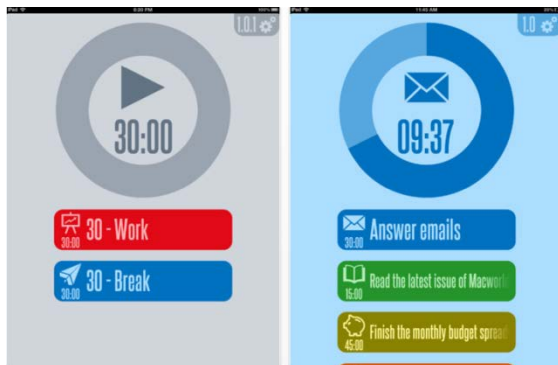
APPS for Mood/Emotion Management

- Self-Help for Anxiety Management(SAM) (free iOS, Android)
 - Tell the app how you're feeling, how anxious you are, or how worried you are.
 - app's self-help features walk you through some calming or relaxation practices.
- iZen garden (\$4.99, iOS)
- Koi Pond (\$1, iOS)



Task Management

- Evernote (free, iOS, Android, Windows)
 - allows you to store text, photos, and audio notes on your device of choice. Create "notebooks" and categorize notes for meetings and to-do lists. Notes are tagged with geo-location for mapping or search. Keep all info in one place
- 30/30 (free, iOS, Android, Windows)
 - Set up tasks and time needed to complete
 - App will tell you when to move onto next task

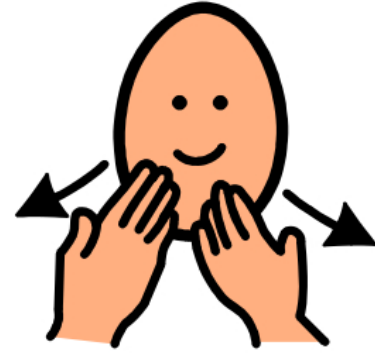




**My Question to You:
What have You Learned today?**

Thank You!

thank you



The TFL Team



Carolyn Phillips

Director, Tools for Life

Carolyn.Phillips@gatfl.gatech.edu



Liz Persaud

Training and Outreach Coordinator

Liz.Persaud@gatfl.gatech.edu



Danny Housley

AT Funding & Resource Specialist

Danny.Housley@gatfl.gatech.edu



Martha Rust

AT Specialist

Martha.Rust@gatfl.gatech.edu



Ben Jacobs

Accommodations Specialist

Ben.Jacobs@gatfl.gatech.edu



Rachel Wilson

Tech Match Specialist

Rachel.Wilson@gatfl.gatech.edu

Disclaimer

This presentation is produced by Tools for Life which is a result of the Assistive Technology Act of 1998, as amended in 2004. It is a program of the Georgia Institute of Technology, College of Architecture, AMAC Accessibility Solutions and Research Center and was made possible by Grant Number H224C030009 from the Administration for Community Living. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of HHS.

Relax Melodies: Sleep & Yoga

FREE!

iOS and Android

- Relax Melodies is the LEADER in personalized relaxation and sleep assistance. No more lacking of sleep or insomnia for you! The sleep that you need and want is waiting for you. Relax Melodies and its many features such as high quality white noise sounds, music melodies and complete customizable mixes will help you sleep like never before!
- Here's how it works :
 1. Create a sleep mix by selecting sounds and music that you like.
 2. Slip naturally into a relaxed state or a deep sleep...!
 3. Awake, feel refreshed and happier
 4. Do it again, anytime!
- Use it also in many other situation such as while exercising, during your yoga meditation sessions, while massaging, during a quick nap or even to help your baby fall asleep faster!

