


Staying Safe Online
Montpelier Senior Center

Week #5

Using Email Safely & Well

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<https://tinyurl.com/3b6p3h8s>

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1

1

Topics

- Delivery Not Guaranteed
- First E-impressions
- Discretion in Email Criticism
- HTML-formatted Email Doesn't Work Reliably
- To/Cc + Reply All = Trouble
- Mailstorms
- Bcc Prevents Email Nuisances
- Burying Your Email Message
- Misleading Subject Fields
- Forwarding Confidential Info
- Email Carrying Malware
- Check Every Link Before Clicking
- The Keeper Of The Lists



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This lecture
includes
material that
applies to work
emails as well as
info about
personal emails.

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2

2

DELIVERY NOT GUARANTEED (1)



- IETF* definition of email** does not include guaranteed *delivery*
- DEFINITELY does not guarantee *reading*!
- Do NOT assume delivery or reading
- Use *Request a Delivery/Read Receipt* when necessary
- CALL YOUR CORRESPONDENT for urgent messages

* Internet Engineering Task Force < <https://tools.ietf.org/> >

** White, J. (1973). "A Proposed Mail Protocol." IETF RFC 524.
< <https://tools.ietf.org/html/rfc524> >

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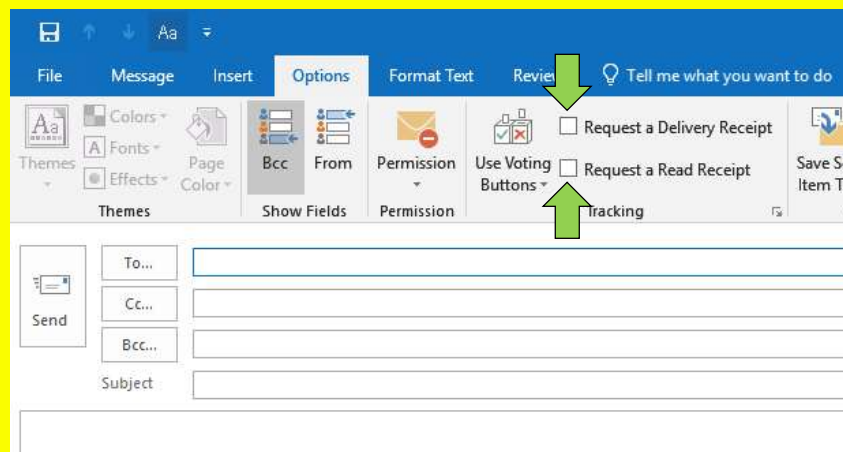
3

3

DELIVERY NOT GUARANTEED (2)




- OUTLOOK and other mail programs can help sender be informed of delivery and reading



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4

4



FIRST E-IMPRESSIONS


- Context matters
 - ❑ Friends do *not* communicate the same way as *colleagues*
- Research indicates email 1st impressions matter more than in phone calls*
 - ❑ Spelling/grammar mistakes
 - ❑ Offensive language
 - ❑ Off-color humor

*Winerman, L. (2006). "E-mails and egos." *Monitor on Psychology* 37(2):16. American Psychological Association.
< <https://www.apa.org/monitor/feb06/egos.aspx> >

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5

5



DISCRETION IN EMAIL CRITICISM

- Sources of disagreement
 - ❑ Fundamental assumptions
 - ❑ Vocabulary
 - ❑ Unspoken goals & values
 - ❑ Implicit reasoning
 - ❑ Missing information
 - ❑ Mistakes
- Avoid verbal hostility
 - ❑ Ad hominem remarks
 - ❑ Aggressive content
- TALK to the person if email gets rude!

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6

6

HTML-FORMATTED EMAIL DOESN'T WORK RELIABLY



- HTML email not guaranteed to look like what sender sent
 - ❑ Recipient's system may have **RADICALLY** *different font assignments*
 - ❑ Sizes may *differ* **from** original
 - ❑ Some characters altered (e.g., ' becomes ?)
 - ❑ Worst case: sending posters as HTML!
- If appearance *must* match, use
 - ❑ Acrobat PDF (include fonts)
 - ❑ Image (JPG, PNG....)

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7

7

TO/CC + REPLY ALL = TROUBLE



- TO: people who should reply
- CC: people who should be able to reply
- BCC: everyone else
- Trouble from REPLY ALL w/ visible distribution lists
 - ❑ Violate privacy
 - ❑ Cause mailstorms (see next slide)
- REPLY ALL restrictions
 - ❑ Don't REPLY ALL unless appropriate
 - ❑ THINK before using REPLY ALL

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8

8

MAILSTORMS



- Dec 2018: Utah state worker sends invitation to 25,000 recipients in TO: field for pot-luck dinner*
 - ❑ Some REPLY ALL with dietary preferences & “OK GREAT!” messages
 - ❑ Many send REPLY ALL asking to be removed from list
 - ❑ Others REPLY ALL to tell everyone to stop using REPLY ALL
 - ❑ Potentially crash mail servers
- DO NOT PUT LARGE DISTRIBUTION LISTS IN TO: OR CC: – USE THE BCC FIELD

* Dumais, E. (2018). “Office Potluck Email Mistakenly Sent to 25,000 Employees, Reply-All Chaos Ensues.” Thrillist
< <https://www.thrillist.com/news/nation/utah-state-office-potluck-email-reply-all> >

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9

9

BCC PREVENTS EMAIL NUISANCES



- Listing extensive contacts in TO: or CC: may betray confidential information
 - ❑ People may copy list to spam recipients
 - ❑ May betray operationally sensitive info
- Worse if email goes to outside addresses
 - ❑ May reveal organizational addresses that are supposed to be internal-only
 - ❑ E.g., specific participants on confidential projects

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10

10

BURYING YOUR EMAIL MESSAGE



- Errors that can delay having your message read
 - ❑ Using a non-descriptive subject line
 - ❑ Mixing critical information with non-critical info (especially if non-critical comes first)
- Always have clear, informative subject
- Put one critical topic per email
 - ❑ Use additional messages for additional topics
 - ❑ Avoid misleading subject fields
 - ❑ See *next slide*

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11

11

MISLEADING SUBJECT FIELDS



- REPLY automatically copies subject line & puts RE: in front
- But some users think REPLY is shortcut instead of NEW EMAIL
- Fail to correct subject line can cause trouble
 - ❑ Confusion
 - ❑ Message ignored or reading delayed
 - ❑ Irritation for all concerned
 - ❑ Topic: "Excellent supper yesterday" but email actually discusses daughter's cancer
- Use NEW EMAIL, not REPLY when *composing email on a new topic*

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12

12

FORWARDING CONFIDENTIAL INFO



- Some information *must* be protected against public release by US laws:
 - ❑ FERPA: student information
 - ❑ HIPAA: medical information
 - ❑ GLB/SoX: information that can influence stock prices
 - ❑ Military applications
- Be cautious about distributing copies of email containing what the sender wants to be private
 - ❑ Relative's hostility to another relative
 - ❑ Sender's questionable activities (e.g., immigration issues)

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13

13

EMAIL CARRYING MALWARE



- Malware can generate email using fake origination addresses
- Some *phishing* email carries infected attachments (HTML, PDF, DOC[X]...)
- Many phishing emails have links that don't match appearance
 - ❑ Link has 2 components
 - ✓ Appearance – can look like good link
 - ✓ Actual hyperlink – can be for criminals' Website
 - ❑ ALWAYS look at lower left corner of email window or in popup to see *real* link (see next slide)

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14

14

CHECK EVERY LINK BEFORE CLICKING IT

The screenshot shows an email from Hyundai Motor America. The subject is 'Start remote electric charge'. The body text states: 'Start Remote Electric Charge was processed and received on 11/28/2025, 01:04 pm EST. Your vehicle is now charging. 2025 IONIQ 5 (7YAKRDDC5SY009042)'. Below this is a link 'EXPLORE BLUELINK >'. At the bottom, there is a paragraph: 'Should you prefer to not receive Hyundai BlueLink feature notification emails or you would like to make changes to your communication preferences, please [click here](#).' A green arrow points from this text to the URL 'https://click.mc.hyundaiusa.com/?qs=48a812d5aaea87d'.

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15

THE KEEPER OF THE LISTS

- Anyone can copy a visible (TO:, CC:) list
- But copies can become *outdated*
- Best to use an official *Keeper of the Lists*
 - ❑ Typically administrative assistant / secretary
 - ❑ Maintains email-distribution lists to specific groups; e.g., department, school; students, staff, faculty; committees, clubs; donors, volunteers....
- Messages for everyone in a specific group
 - ❑ Sent to *Keeper of the Lists*
 - ❑ Guarantees up-to-date distribution
 - ❑ Also checks topic lines, used BCC, etc.

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16

OK, STAY SAFE!



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17