

TO ALL VAST MEMBERS:

A CASIO EX-F1 digital camera is available to members of VAST to borrow for a two-week period. (Go to youtube.com and look at some of the examples of some videos done with the camera.)

SPECIAL FEATURES:

1. 6-Megapixel still images
2. short macro distance (2")
3. video capabilities:
 - a. up to 60 individual images in 1 sec
 - b. high definition video at 60 fps
 - c. high-speed 30 to 300 fps (512 × 384)
 - d. 600 fps (432 × 192)
 - e. 1200 fps (336 × 96)

USES:

1. Record demos at high speed
2. Record labs that could use still and/or video images
3. Add video to student projects
4. Get colleagues involved to look for other ideas while the camera is available



PROCESS:

1. Submit a request to schedule the camera to Fred Hoffman
 - a. request must include three time periods for possible use
 - b. signatures of VAST member taking responsibility for the camera and school's principal
 - c. assurance of financial responsibility for any repairs or replacement if damaged while in requestor's possession.
2. Camera will be shipped to the school at the arranged time and will need to be returned at the end of the two weeks so that others can have access to the camera
3. While the camera is in requestor's possession, the requestor of record is responsible for all uses of the camera.

Shipped equipment:

1. camera in shipping case
2. 2 8-Mb SD cards
3. 2 batteries with battery charger
4. cables for connecting camera to computer
5. card reader
6. software and documentation

Recommended equipment provided by requesting VAST member:

1. sturdy tripod
2. splash shield (usually in the chemistry department-to protect camera) if liquids or explosions are involved
3. all appropriate safety equipment for participants and observers
4. optional: a light source (normally not needed unless there are low-light conditions or high shutter speeds)

Plan the two-week window to get as much use of the camera by as many teachers/classes as are interested.

It is hoped that each school will have several videos to be shared with other science teachers. A website will be identified to make the videos available.