

# Analog Photography Film and Darkroom

Camera: \_\_\_\_\_

Serial Number \_\_\_\_\_

Lens \_\_\_\_\_

Serial Number \_\_\_\_\_

Lens \_\_\_\_\_

Serial Number \_\_\_\_\_

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Roll #	Date	Film	Assignment
			Notes

**Processing Black & White Film**

**In Dark Room or changing bag:**

Open film cassette. Pull out film. Trim end square with scissors.  
Load film on reel. Put reel in tank and cover firmly

**Developing Film Steps:**

Chemicals needed: Developer, Stop Bath, Fixer, Perma wash, photo flo

**Developer time is very important -**

stop and fix can safely go longer than recommended time

- 1) Make sure all chemicals are up to the same temperature
  - 2) Measure developer temperature, determine developing time from data sheet\*
  - 3) Pre soak the film for one minute
  - 4) Empty pre-soak - pour in **Developer** - start timer
  - 5) Rap tank to dislodge bubbles, agitate gently for 30 sec.
  - 6) Agitate gently every 30 sec (Gently turn tank over 2 times)
- 7) 30 seconds before developonf time is completed - empty tank
- 8) Fill with **Stop Bath**, Cap, agitate for 30 sec. **SAVE Stop Bath**
- 9) Pour in **Fixer**, agitate continuously 30 sec. then 5 sec every minute
- Fix: Tri-X & HP5 for 5 minutes Delta 400, T-Max and Arista EDU for at least 10 minutes
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**Now it is safe to expose film to light**

Check your film for proper fixing.

If there is a strong purple color, re-fix for a few more minutes.

- 10) Rinse in water one minute
- 11) agitate in **Perma Wash** one minute
- 12) Wash in water for 3 minutes
- 13) soak in **Photo-flo** (wetting agent) for 30 sec.  
Three drops of photo-flo in film tank of clean water.
- 14) Remove film from reel, squeegee with fingers drain
- 15) Hang to dry

**Identify your film with your name date and roll number.**

<b>Sprint Film Development Time in Minutes</b>					
<b>Temperature F</b>	<b>68</b>	<b>70</b>	<b>72</b>	<b>74</b>	<b>75</b>
<b>Ilford HP5 400</b>	10	9	8	7:15	6:30
<b>Ilford Delta 400</b>	11:30	10:15	9:15	8:30	7:30
<b>Kodak Tri-X 400</b>	10	9	8	7:15	6:30
<b>Kodak TMax 400</b>	11:30	10:15	9:15	8:30	7:30





<b>Print Id:</b> _____		<b>Date:</b> _____ / _____		<b>Enlarger</b>	
<b>Roll #</b> _____		<b>Description:</b>			
<b>Frame #</b> _____					
<b>Size:</b>		<b>lens:</b> _____ f/ _____			
		<b>Contrast:</b> _____			
<b>Exposure:</b>		<b>Notes:</b>			
		<b>Burn/Dodge:</b>			

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		<b>Burn/Dodge:</b>			

<b>Shoot LOG</b>		<b>Camera:</b>	
<b>Location:</b>		<b>Light:</b>	
Assignment:			
Notes:			
FRAME	f/Stop	Shutter	Notes
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