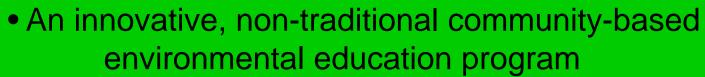
Rural Training Center – Thailand (RTC-TH) REEEPP





- Integrating math, science, geography, English language, and technology lessons for environmental stewardship
- Using interactive experiential learning in outdoor settings at Ban Na Fa Elementary School, Nan Province, Thailand.





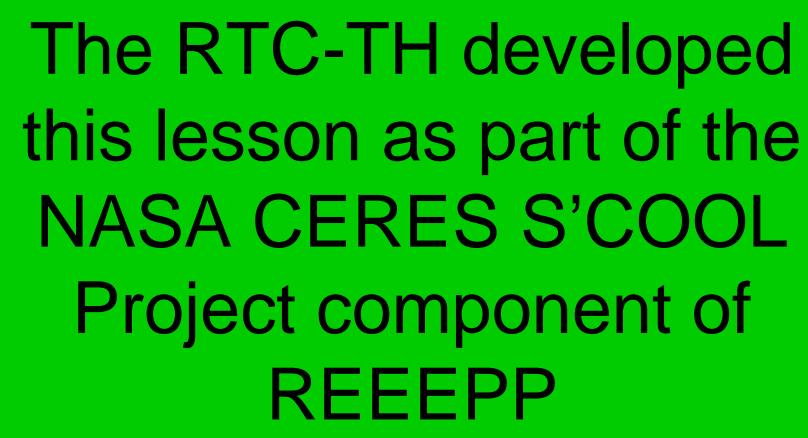
Surface Cover













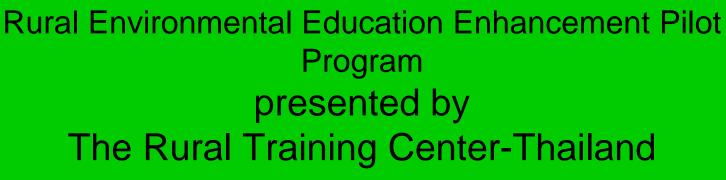




This lesson was originally created when the RTC-TH was a program of ESSI (Earth Systems Science, Inc.), a California educational non-profit organization cofounded by Gregory Lee. In 2006, the RTC-TH was co-founded by Gregory and Saifon Lee as a separate organization.



This is an English Language Training module of REEPP



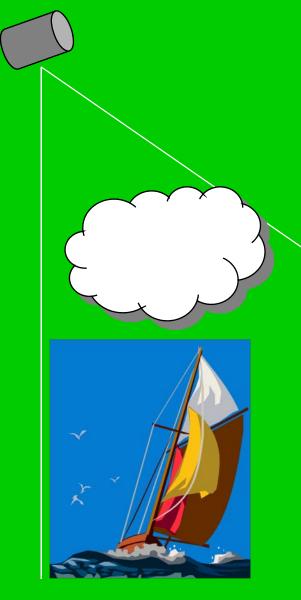
E-mail: rtc2k5@gmail.com

www.neighborhoodlink.com/org/rtcth

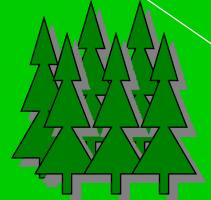


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A satellite looking at Earth sees clouds, water, and land.



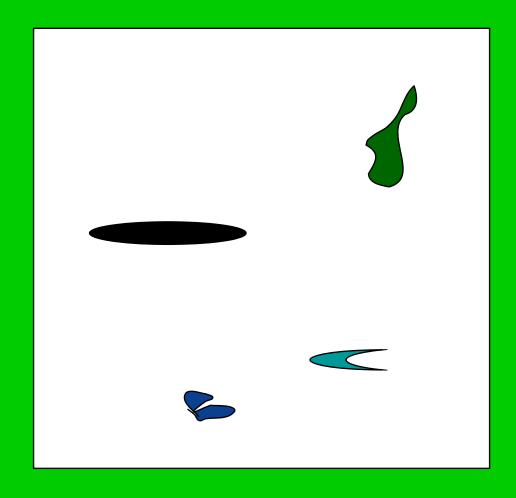
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Sometimes the clouds look so white this is what the satellite sees.



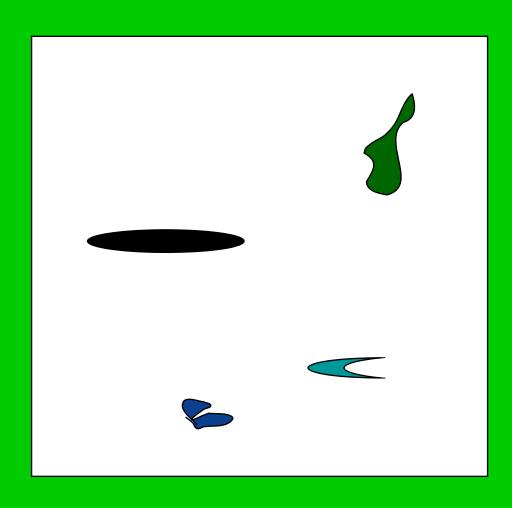
Sometimes there are dark spots in the clouds.

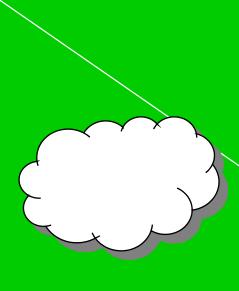




These could be land or water showing through a hole in the cloud.







A satellite also sees the school and the area around it.





The NASA scientists need your help to report the surface cover around Ban Na Fa Elementary School.



Here are the surface cover terms to use:

- Snow / ice
- Standing water
- Muddy
- Dry ground
- Leaves on trees



Student Cloud Observation On-Line Report Form (REEPP Version) A501 (x/3) nan-peak education 4 gardesion Po Box 8042, Van Nuys, CA 91 409-8042 Phone: (818) 343-2363 Phone: (818) 343-2363													
CLOUD OBSERVATIONS (Required) If more than one cloud layer exists, check the boxes to show the clouds are present.													
Cloud Visual Opacity Cloud Cover													
Height	Clo	loud Type		Transparent Transluc					Use the Na Fa Cloud Cover Estimator				
		☐ Cirrus							Dome Worksheet to record the student				
High		☐ Cirrocumulus							observations and calculations.				
		☐ Cirrostratus							Then check the box below				
MiddleA		Altocumulus							□ Overcast (95-100%)				
		Vitostratus					+	_					
I	-	Cumulonimbus					+-	_	☐ Mostly cloudy (50-95%)			l	
1	$\overline{}$	☐ Cumulus ☐ Stratocumulus				_	$\overline{}$						
Low	-	☐ Stratus				_	+		☐ Partly cloudy (5-50%)				
1		☐ Nimbostratus					+						
1		□ Fog						\neg		clear ((D-5%)	ı	
CONTRA		(This is opti	one	al.)								\neg	
Can yo 1 high int	to the			Sky is overcast			Any natural looking cirrus clouds		lYes, t	уре?	☐ Cimus ☐ Cimocumulus ☐ Cimostratus	Goto #5	
2 and contra	Can you see any Sontrails?			☐ Sky is overcast ☐ Too many clouds		4	in sky with the persistent contrails?		l No		a fist to block out un. Can you see	□ Yes □ No	
3 Contrail type ☐ Short-fived ☐ Persistent						5	Estimate % s	ky o	overed by persistent contrails				
		SERVATION			U 10 84	_						—	
		Cover	T		Surface	M	easuremer	nts	(The	se are	e optional.)	-	
Yes No		Required)	P	Precipitation			leen □ in	Win	Speed			n 🗆 mph	
□ □ Snow/Ice				Temperature]*C □*E	n: mae Li Mag					
□ □ Sta	andina	water		Deleti	G CUT								





Snow / ice is very unlikely for Na Fa. But hail (a form of ice) is possible in severe thunderstorms.





Standing water may exist in nearby rice paddies or if flooding occurs.



G.K Lee & S. Lee



Muddy: This can happen with bare soil and rain or in newly ploughed fields that are wet.





Dry ground: This may happen especially during the dry season.





Leaves on trees. This is the normal condition in Na Fa except for some dry seasons.



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RTC-TH Rural Training Center-Thailand



is dedicated to providing community-based environmental education for the self-sufficiency and sustainability of small rural family farms







The RTC-TH was created to honor the memory of Mr. Tang Suttisan, a father, a farmer, and a man who valued education and used it in starting his family farm

REEEPP

Rural Environmental Education Enhancement Pilot Program



An innovative, non-traditional community-based environmental education program integrating math, science, geography, English language, and technology lessons for environmental stewardship using interactive experiential learning in outdoor settings at Ban Na Fa Elementary School, Nan Province, Thailand..

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The End





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