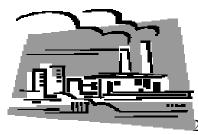
# SOUTHWESTERN CHRISTIAN SCHOOL

# WORLD HISTORY

OTHER CHIEF		
	ODY GUIDE: THE INDUSTRIAL AGE 1920 AD	
AGI	E OF REVOLUTION	
L <b>E</b> A	ARNING OBJECTIVES	
1.	STUDENTS WILL BE ABLE TO IDENTIFY THE MAJOR PHYSICAL GEOGRAPHICAL FEATURES OF NORTH AMERICA	
2.	STUDENTS WILL BE ABLE TO IDENTIFY AND EXPLAIN THE CAUSES AND EFFECTS ON THE DEVELOPMENT OF WESTERN CIVILIZATION OF THE INDUSTRIAL REVOLUTION	
<i>3</i> .	STUDENTS WILL BE ABLE TO IDENTIFY AND EXPLAIN THE IMPACT OF MAJOR INDUSTRIAL INVENTIONS ON WESTERN CIVILIZATION	
<i>4</i> .	STUDENTS WILL BE ABLE TO EXPLAIN THE IMPACT OF NEW ECONOMIC PHILOSOPHIES, BROUGHT BY THE INDUSTRIAL REVOLUTION, ON WESTERN CIVILIZATION	
	E INDUSTRIAL AGE WAS	
	**************************************	
	RMS TO BE FAMILIAR WITH ; " <u>SLUMS</u> " - HEAVILY POPULATED URBAN EAS CHARACTERIZED BY POOR HOUSING	
1.	IN THE LATE 1700 s MOST PEOPLE WORKED IN THE	
	ON LAND THEY DID NOT	
2.	INVENTORS FOUND NEW WAYS TO HARNESS NATURE'S ENERGY, THEY	
	BUILT NEW KINDS OF MACHINES THAT WERE POWERED BY	
	, , AND	
3.	THE NEW MACHINES REPLACED	
	TOOLS THAT DID THE SAME WORK AND	

<i>4</i> .	THE INDUSTRIAL REVOLUTION LED TO WORK BEING DONE OUTSIDE	E C
	THE HOME IN SPECIALLY DESIGNED BUILDINGS CALLED	
<i>5</i> .	WITH THE DEVELOPMENT OF LOCOMOTIVES AND STEAMBOATS,	
	MANUFACTURED GOODS COULD NOW BE HALF WAY	
	AROUND THE	
6.	FAMILIES MOVED FROM THE VILLAGES OF THEIR ANCESTORS TO	
	INDUSTRIAL	
<i>7</i> .	A NEW CLASS OF PEOPLE EMERGED , THEY WERE PEOPLE WHO	
	PRODUCED	
8.	INDUSTRIALIST WHO OWNED THE EMPLOYED	)
	HUNDREDS OF PEOPLE AND MADE ENORMOUS IN	V
	THEIR INDUSTRIAL CENTERS	
9.	THE WEALTH AND JOBS OF THE INDUSTRIAL REVOLUTION CAME A	<b>T</b> 2
	PRICE:	
	1. TURNED THE CITIES BLACK	
	2. LACK OF HOUSING CREATED THE FIRST	
	3. DEMAND FOR MORE GOODS AND PROFITS BROUGHT ABOUT T	THE
	OF WORKERS	
10.	WORKERS AND REFORMERS PROTESTED AND FORMED	
11.	TODAY WE ARE IN THE MIDDLE OF ANOTHER REVOLUTION , A	
****		***
THE	FOUR CAUSES FOR THE EMERGENCE OF THE INDUSTRIAL AGE:	
1.		
2		7
<i>2</i> .		





*3*.

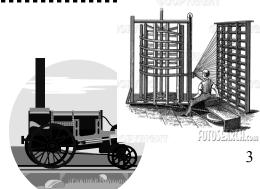
4. " <u>URBANIZATION</u> " -



THE	FOUR MOST IMPORT	ANT EARLY TECHNOLOGICAL ADVA	INCEMENTS:
1.			
		*****	
	RT SUBJECT VIDEO >		
1.	BECAUSE THE STEA	M ENGINE USED	FOR FUEL,
	IT WAS NO LONGER	NECESSARY TO BUILD FACTORIES	S NEXT TO
**** 2.	*****************	************	******
	**************************************	**************************************	K**
1.	COAL WAS NEEDED	NOT FOR JUST STEAM ENGINES,	BUT ALSO FOR
		MAKING AND	
2.	NEARLY ALL OF TH	E MACHINES OF THE INDUSTRIAL	REVOLUTION
	WERE MADE OF	AND COKE MADE	FROM
••••	WAS THE BASIC	USED TO MELT TH	

*3*.

4.



THE EARLY IMPACT OF THE TECHNOLOGICAL ADVANCEMENTS ON SOCIETY AND ECONOMICS > 5 FACTS:

1.

2.

3.

" FACTORY " -



#### SHORT SUBJECT VIDEO > THE FACTORY

\*\*\*\*\*\*\*\*\*\*\*\*

- 1. TRUE OR FALSE, FACTORY WORK WAS MUCH DIFFERENT SYSTEM
  FROM THAT OF THE COTTAGE INDUSTRY
- 2. CHARACTERISTICS OF THE FACTORY SYSTEM:
  - 1. TRUE OR FALSE, THE BUSINESS OWNERS HAD A CLOSE
    RELATIONSHIP WITH THEIR WORKERS
  - 2. TRUE OR FALSE, WORK IN THE FACTORY WAS MORE TIRING
    THAN HOME MANUFACTURING
  - 3. TRUE OR FALSE, FACTORY WORK HAD GREATER PRODUCTION

    DEMANDS, BUT WAS MONOTONOUS
  - 4. TRUE OR FALSE, FACTORIES HAD BETTER WORKING CONDITIONS
    THAN COTTAGE INDUSTRIES
  - 5. TRUE OR FALSE, WAGES FOR WORKERS IN FACTORIES WAS HIGH
- 3. WEALTH SHIFTED FROM LAND OWNING ARISTOCRATS TO FACTORY

  OWNING \_\_\_\_\_\_
- 4. THE FACTORIES SWITCHED TO COAL AS THEIR FUEL BECAUSE WATER

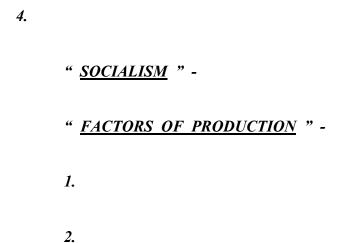
20 20 20 2	AND WIN	D WERE	· * * * * * * * * * * * * * * * * * * *	
4.				
	1.	2.	3.	4.
			"*************************************	**************************************
1.			STRIALIZING NATIO	ONS SHIFTED FROM
2.				YPE OF BUSINESS ?
<i>3</i> .			CONCERNED ABOU	
4.	TRUE OR		NGLE CAUSED PUB	LIC OUTRAGE AND LED TO
<i>5</i> .		ŕ	X A LONG TIME FO	
<b>6.</b>		ŕ		AME FROM WITHIN THE
THE	********* E INDUSTRI LOSOPHIES	**************************************	RS ORGANIZED INT ************************************	***
				**************************************
_	*****		VIDEO > NO NOTES	
<i>3</i> .		AM LINCOLN -		All All Market

## WHAT DID THOMAS MALTHUS FAIL TO TAKE INTO ACCOUNT?

THE INDUSTRIAL AGE BRINGS OUT NEW PHYSIOCRATS AND STARTS THE MOST IMPORTANT WAR IN HISTORY THAT IS STILL RAGING TODAY!!!!









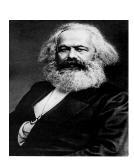
- 5. " KARL MARX AND FRIEDRICH ENGELS " -
  - " <u>SCIENTIFIC SOCIALISM / MARXISM / COMMUNISM</u> " -
  - " <u>COMMUNIST MANIFESTO</u> " -

1.

*3*.

2.

*3*.





#### " PROLETARIAT " -

8.

9.

4. \* SHORT SUBJECT VIDEO > THE ROOTS OF MARXISM 1. TRUE OR FALSE, THE IDEAS OF KARL MARX HAVE HAD DEVESTATING **CONSEQUENCES** *2*. TRUE OR FALSE, MARXISM CONTINUES TO THRIVE IN MANY **COUNTRIES** 3. MOST MODERN SOCIALISTS BASE THEIR DOCTRINES (BELIEFS AND TEACHINGS ) ON THEORIES 4. MARX PREDICTED THAT THE STRUGGLE BETWEEN THE MIDDLE AND UPPER CLASSES (THE EXPLOITERS) AND THE WORKERS WOULD LEAD TO THE OVERTHROW OF *5*. MARX'S WRITINGS FUELED THE 1917 REVOLUTION IN WHICH IS CONSIDERED THE MOST \_\_\_\_\_ POLITICAL EVENT OF THE 20 TH CENTURY IN A COMMUNIST SOCIETY THE \_\_\_\_\_\_ NOT THE LAND 6. OWNERS CONTROLLED ALL THE MEANS OF 7. THE COMMUNISTS BELIEVED THAT: IF THEY COULD CHANGE THE THEY COULD 1. CHANGE THE COURSE OF HISTORY THAT ALL OF HISTORY CAN BE EXPLAINED SIMPLY AS A 2. STRUGGLE BETWEEN THE \_\_\_\_\_ CLASS AND THE **OPPRESSED CLASS** 

MARX'S COMMUNIST MANIFESTO ADVOCATED THE END TO \_\_\_\_\_\_PROPERTY

SOME DAY CRUMBLE AND LEAD TO

MARX BELIEVED THAT THE OPPRESSION OF THE CAPITALISTS WOULD

CON	THREE MINUTE GAP IN NOTE TAKING AS THE VIDEO COMES TO A NCLUSION
	O HAS BEEN WINNING THE WAR ??
LAT	TE INDUSTRIAL AGE TECHNOLOGY ADVANCEMENTS :
1.	
	PRT SUBJECT VIDEO > THE BESSEMER PROCESS
<i>1</i> .	HOW OLD IS STEEL ?
2.	MAKING STEEL IN WAS ONE
	OF THE GREAT CHALLENGES OF THE INDUSTRIAL REVLOLUTION
<i>3</i> .	THE TRICK IN MAKING THE METAL WAS GETTING THE RIGHT
	COMBINATION OF STEEL'S TWO MAIN COMPONENTS AND
4.	WHAT GAS IS USED IN THE BESSEMER PROCESS FOR MAKING STEEL?
<i>5</i> .	STEEL IS, MOREAND LESS
	THAN IRON
<b>6.</b>	WHAT IS THE FUEL CALLED THAT IS USED TO GENERATE THE
	EXTREME HEAT NEEDED TO MELT THE IRON ORE ?
<i>7</i> .	HOW HOT DOES THE BLAST FURNACE GET IN MELTING THE ORE ?
8.	MOLTEN IRON THAT HAS MOST OF THE IMPURITIES REMOVED IS
	CALLED IRON
9.	THE IRON STILL HAS TOO MUCH
	IN IT TO BECOME STEEL
10	
10.	HOW LONG DOES IT TAKE TO TURN THE IRON ORE INTO A STEEL PRODUCT?
2.	**************************************

	ì		
		,	

### " DYNAMO " -



4.

SHORT SUBJECT VIDEO > THOMAS EDISON

- 1. TRUE OR FALSE, EDISON IS MORE RESPONSIBLE THAN ANYONE FOR CREATING THE MODERN WORLD
- 2. EDISON HELD PATENTS ON HOW MANY INVENTIONS ?
- EDISON SAID, "GENIUS IS PERCENT INSPIRATION AND 3. PERCENT HARD WORK "
- EDISON CREATED ONE OF THE FIRST MODERN RESEARCH 4.
- *5*. EDISON WAS ALSO A GOOD BUSINESS MAN BECAUSE HE DESIGNED NEW DEVICES BASED ON WHAT PEOPLE AND WOULD
- TRUE OR FALSE, EDISON PRODUCED THE FIRST MOTION PICTURE **6.**
- 7. EDISON WAS DRIVEN BY HIS VISION OF THE
- TRUE OR FALSE, EDISON WAS AWARDED THE CONGRESSIONAL MEDAL 8. OF HONOR \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

*5*.

6.

SHORT SUBJECT VIDEO > THE AUTOMOBILE

- 1. DAMLIER AND BENZ CREATED THE FIRST
  - PRACTICAL \_\_\_\_\_ ENGINE IN 1885
- 2. WHEN THE CAR WAS INVENTED THERE WERE NOT MANY PLACES IT COULD GO . IT WOULD TAKE BETTER \_\_\_\_\_ AND THE INVENTION TIRE BEFORE CARS AND TRUCKS COULD OF THE

BECOME PRACTICAL MEANS OF TRANSPORTATION



3.	A TIRE IS LIKE A BICYCLE	TIRE IN THAT IT IS
	FILLED WITH AIR . IT GA	VE CARS A MUCH
,		WEED OF AMERICANA
<i>4</i> .	AFTER 1900 BECAME THE CEN PRODUCTION	NTER OF AUTOMOBILE
<i>5</i> .	WHAT CHANGED THE AMERICAN CAR MANUFACTU	RING PROCESS ?
<b>6.</b>	WHO PERFECTED THE PROCESS ?	
<i>7</i> .	THE FIRST FORD MODEL "T" COST	
<i>5</i> .	*********************	
	**************************************	**
1.	THE WRIGHT BROTHERS WERE BORN AT A TIME W	VHEN THE
	WAS BECOMING A TREMENDO	OUS FORCE FOR
	CULTURAL CHANGE	
2.	WHAT BUSINESS DID THE WRIGHT BROTHERS FIRS	ST START ?
<i>3</i> .	THE WRIGHT BROTHERS FIRST FLIGHT WAS FOR	FEET UNDER
	MACHINE GENERATED POWER	
4.	WHAT WAS THE FIRST TYPE OF AIRCRAFT MADE IS BROTHERS?	BY THE WRIGHT
<i>5</i> .	TO TRY OUT WING DESIGNS , THE WRIGHT BROTH	ERS BUILT THE
	WORLD'S FIRST	
**** 6.	*******************	*********
7.		
***	**************	****
SHC	ORT SUBJECT VIDEO > THE TELEPHONE	
1.	THE WORD TELEPHONE IS DERIVED FROM THE	WORDS
	"TELE" WHICH MEANS	_ AND "PHONE"
	WHICH MEANS	

<i>2</i> .	THE PATENT FOR THE TELEPHONE IS CONSI	DERED THE MOST
	EVERY ISSUED	
8.	*****************	
	**************************************	
1.	MARCONI'S INNOVATIONS IN RADIO LAID TH	E FOUNDATION FOR THE
	DEVELOPMENT OF	
***	THREE MINUTE GAP IN NOTE TAKING	
2.	WHAT YEAR DID THE FIRST WIRELESS TRANSOCCUR?	SATLANTIC COMMUNICATION
<i>3</i> .	WHAT SPECIAL PRIZE FOR PHYSICS DID MAR BRAUN (THE INVENTOR OF JET PROPULSION	N / MODERN ROCKETS ) ?
9.		
	" PASTEURIZATION PROCESS " -	
	**************************************	*****
1.	AROUND THE MID 1800 s MANY WOMEN IN V	IENNA AUSTRIA WERE
	DYING AFTER GIVING BIRTH FROM A UTERIA	NE INFECTION CALLED
	FEVER	
2.	IN THE MID 1800 s NOBODY HAD YET MADE  AND	
<i>3</i> .	WHAT DROVE LOUIS PASTEUR TO DO RESEAR	
4.	PASTEUR'S FOUND THAT	WERE CAUSING WINES
	TO SOUR	
<i>5</i> .	PASTEUR FOUND THAT THROUGH A SIMPLE	TREATMENT
	THE COULD BE KILLED	OFF AND THE WINE SAVED
<i>6</i> .	PASTEUR'S THEORY BEGI	INS THE ERA OF MODERN

**** 10.	**********	
11.		
SHO	**************************************	
1.	THROUGH THE MID 1800's APPROXIMATELY	
	SURGERY PATIENTS WOULD DIE FROM THE SURGERY	
2.	AFTER DISCOVERING HOW SOME TOWNS CLEANED SEWERS, LISTER	
	BEGAN TO USE TO CLEAN WOUNDS	
<i>3</i> .	LISTER'S WAY OF TREATING WOUNDS WAS CALLED	_
	TREATMENT	
4.	ONE PROBLEM WITH THE USE OF WAS	5
****	THAT IT ALSO KILLED HEALTHY CELLS	*
<i>12</i> .		
FIVE	NEW BUSINESS METHODS OF THE LATER INDUSTRIAL AGE:	
1.		2 1 1 2 1 2
	" ASSEMBLY LINE " -	
2.		
	" MONOPOLIES " -	
		_
****	**************	
SHO	RT SUBJECT VIDEO > JOHN D. ROCKEFELLER AND THE OIL INDUSTRY	
1.	WHAT WAS THE NAME OF THE COMPANY THAT ROCKEFELLER TURNED INTO A MONOPOLY ?	
2.	BY BUYING REFINERIES ROCKEFELLER CAME TO OWN OF THE	E
	OIL INDUSTRY IN THE UNITED STATES	

3. TRUE OR FALSE, ROCKEFELLER WAS THE WEALTHIEST MAN IN THE UNITED STATES



4.	TRUE OR FALSE, ROCKEFELLER DONATED ENORMOUS SUMS OF HIS WEALTH TO CHARITIES AND ESTABLISHED EDUCATIONAL AND RESEARCH INSTITUTIONS
	**************************************
<i>3</i> .	" <u>CARTEL</u> " -
ARE	C CARTELS ILLEGAL ?
4.	" <u>LABOR UNIONS</u> " -
<i>5</i> .	" <u>STRIKE</u> " -
	PRT SUBJECT VIDEO > URBANIZATION AND LABOR UNIONS  BETWEEN 1860 AND 1910 THE UNITED STATES URBAN POPULATION
1.	GREW FROM MILLION TO MILLION .  WHAT PERCENT GROWTH WAS THIS ?
2.	BY 1882 IMMIGRANTS WERE COMING TO THE UNITED  STATES AT A RATE OF PER YEAR
<i>3</i> .	IMMIGRATION OF MANY GROUPS CREATED AND  SOCIAL TENSIONS
4.	BASED ON POPULATION, WHAT WAS THE LARGEST CITY IN THE UNITED STATES BY 1890?
5.	WERE WORKING CONDITIONS HARD OR EASY FOR WORKERS DURING THE INDUSTRIAL REVOLUTION ?
6.	TRUE OR FALSE, CHILDREN WORKED IN FACTORIES AND WERE PAID 30 CENTS PER WEEK
<i>7</i> .	IN 1875 SKILLED AND FACTORY WORKERS BEGAN TO ORGANIZE INTO

8.	STRIKES IN CITIES ACROSS THE UNITED STATES LED TO THE
	FORMATION OF THE OF
9.	TRUE OR FALSE, UNION LEADERSHIP EVENTUALLY BECAME
	DOMINATED BY SAMUEL GOMPERS AND THE AMERICAN FEDERATION
****	OF LABOR (AFL)
	CT OF THE INDUSTRIAL AGE > FOUR FACTS:
1.	
<i>2</i> .	
3.	
4.	
	PTER READING > DARWINISM : A THREAT TO MODERN SCIENCE - PAGES 296
1.	DESCRIBE THE PRINCIPLE OF UNIFORMITY AND HOW IT RELATED TO DARWIN'S THEORY OF EVOLUTION

EXPLAIN THE PROBLEM WITH THE METHOD OF NATURAL SELECTION

AS IT RELATES TO THE THEORY OF EVOLUTION

*2*.

3. WHAT IS THE BIGGEST PROBLEM WITH DARWIN'S THEORY OF EVOLUTION?

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CHAPTER READING > THE TRIUMPH OF CAPITALISM - PAGES 308 - 309

1. DESCRIBE ADAM SMITH'S PHILOSOPHY AS HE OUTLINED IN HIS BOOK THE <u>WEALTH OF NATIONS</u>, AND BE SURE TO EXPLAIN HOW THE CONCEPTS OF FREE TRADE AND LAISSEZ FAIRE FIT INTO THE PHILOSOPHY

2. FROM A CHRISTIAN PERSPECTIVE, WHAT ARE THE BENEFITS OF TECHNOLOGY AND CAPITALISM?

