



Science & Engineering 수업시간 이용 가이드

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Science & Engineering

- AVON의 Science & Engineering에서는 공학, 환경학, 자연사, 물리학 및 생명과학 등 다양한 분야의 자료를 제공하며 현실적이고 기본적인 부분에 초점을 맞추고 있습니다. 수 천 편의 다큐멘터리, 교육자료, 입문서, 강의는 세포의 내부 작용에서부터 태양계의 외부 작용에 이르기까지 매력적인 소재로 이용자의 참여를 유도합니다. 또한 특허법 및 윤리, 인문사회과학에서의 주요 주제에 대한 학제간 커뮤니케이션 조성 등 과학 탐사 주변의 많은 이슈를 발견할 수 있습니다.
- 주제분야
Science - Environmental Science, Physics, Biology, Astronomy, Computer Science, Chemistry
Engineering - Civil & Environmental Engineering, Aeronautics & Astronautics, Chemical Engineering, Mechanical Engineering, Nuclear Engineering, Electrical Engineering, Materials Science, Biological Engineering



Science & Engineering

①

MENU



②

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- Science & Engineering
- Social Sciences

① 왼쪽 상단 MENU 클릭

② Disciplines 탭 선택하여 Science & Engineering 클릭



개인계정 접속

1. Science & Engineering 접속 후 개인계정 접속 (화면 우측 상단)



③ User account

Username *

Password *

- ① 첫 페이지 오른쪽 상단의 사람모양 아이콘 클릭
- ② “Create new account” 에서 개인계정 만들기 (username & password 생성)
- ③ 만든 username과 password 입력 후 로그인



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Science & Engineering offers a wide-ranging survey of engineering, environmental studies, natural history, and the physical and biological sciences, and focuses on their practical, ground-level applications. Thousands of documentaries, instructional materials, how-to guides, and lectures provide an engaging, hands-on framework from which to explore the inner workings of the cell, the outer workings of the system, and everything in between. Science & Engineering also examines larger issues of scientific exploration, such as patent law, fostering interdisciplinary conversations on key themes in the humanities and social sciences.

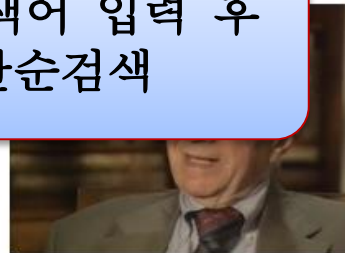
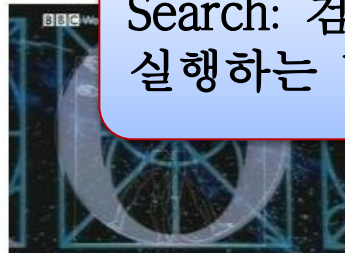
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Advanced Search

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상세검색

Advanced Search: Science & Engineering

Your search criteria match **4,404 items**

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Director / Producer

Speaker / Narrator

Contributor

Subject

Topic / Theme

Person Discussed

Publisher

Advanced Search (상세 검색) : 각 검색어 필드에 해당 키워드 넣어 검색

Words Anywhere : 모든 텍스트 검색

Fulltext / Transcript : 비디오와 함께 제공되는 트랜스크립트 검색

Title and Series : 비디오 제목이나 시리즈로 제작된 비디오 검색

Author / Creator : 저자 및 제작자 이름

- Director / Producer : 감독 및 제작자
- Speaker / Narrator : 연사 및 나레이터
- Contributor : 기고가, 토론참석자

Subject : 주제

- Topic/Theme : 토픽 및 테마
- Person Discussed : 언급된 인물

Publisher : 제작사



검색결과보기

3. 검색 결과로 찾은 자료 살펴보기

- 비디오 마다 제공되는 See details나 간단한 소개 자료 미리 읽어보기

FILTERS APPLIED

Discipline / Subject Area: Mechanical Engineering ☒

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SEARCH RESULTS

Include sample content ☐

SCIENCE & ENGINEERING

☒ Engineering (50)

☐ Science (10)

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CONTENT TYPE

Documentary (49)

News story (1)

PERSON DISCUSSED

SPEAKER / NARRATOR

TOPIC / THEME

DIRECTOR / PRODUCER

CONTRIBUTOR

PUBLISHER

DATE PUBLISHED / RELEASED


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BUILDING CARS, EPISODE 2

 directed by Matt Pitts-Tucker, fl. 2006-2015, Matt Cottingham, fl. 2002-2017, Ben Orichton, fl. 2012-2015 and Sam Bailey, fl. 2009-2015; presented by James May, 1963-; produced by Lorraine Evans, fl. 2010-2015, British Broadcasting Corporation, in Building Cars, Episode 2 (London, England: British Broadcasting Corporation, 2015), 52 mins

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Description

Buckle up for a journey into the fascinating secret world of the car factory in this brand new three part series. James May goes behind the scenes to reveal the science, engineering and people that keep us all on the road, with access all areas to the MINI plant in Oxford where a car is built every 68 seconds. Building Cars will also step outside the factory to explore the evolution of global mass production, bust the myth that British...

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Field of Study

Engineering

Content Type

Documentary

Contributor

Lorraine Evans, fl. 2010-2015, British Broadcasting Corporation

Author / Creator

Matt Pitts-Tucker, fl. 2006-2015, Matt Cottingham, fl. 2002-2017, Ben Orichton, fl. 2012-2015, Sam Bailey, fl. 2009-2015, James May, 1963-

Date Published / Released

2015

Publisher

British Broadcasting Corporation

directed by Matt Pitts-Tucker, fl. 2006-2015, Matt Cottingham, fl. 2002-2017, Ben Orichton, fl. 2012-2015 and Sam Bailey, fl. 2009-2015; presented by James May, 1963-; produced by Lorraine Evans, fl. 2010-2015, British Broadcasting Corporation, in Building Cars, Episode 1 (London, England: British Broadcasting Corporation, 2015), 50 mins

Buckle up for a journey into the fascinating secret world of the car factory in this brand new three part series. James May goes behind the scenes to reveal the science, engineering and people that keep us all on the road, with access all areas to the MINI plant in Oxford where a car is built every 68 seconds....



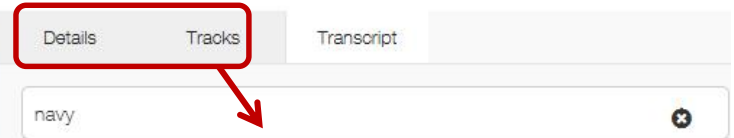
비디오 화면



Tech Tools: Military and Defence forces

produced by World Wide Entertainment, in Tech Tools, 6 (Geelong, Victoria: Switch International, 2012), 24 mins

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- Details: 비디오 간략 서지 정보
- Transcript: 해당 비디오 트랜스크립트

동영상 재생 및
이용 기능

07:40 BILL TRUAB - Former Submarine Captain

BILL TRUAB: One of the other things that we do here in the region is working with other nations, working with the US Navy and we add additional capacity. So as the submarine here in the, in the region and, ah, this specific submarine, ah, we're able to take away some of the burden from some of the other allied navies, take away some of the burden from other US ships in providing security to the region. And again this is, ah, the ship has got such a, a greater capacity that we can let some of those other ships take on some other missions, ah, that, because we have the ability to fill

grading communication with the outside world provides the sailors a moral boost by having more access to their families and makes news



트랜스크립트

The screenshot shows a video transcript interface. At the top, there are two tabs: 'Details' and 'Transcript'. Below the tabs is a search bar with the text 'activity' inside. A red box highlights the search bar, and a red arrow points from it to a blue callout box containing the text '현재 비디오 내에서 검색' (Search within the current video). The transcript text is displayed below the search bar. A red box highlights the word 'activities' in the transcript, and a red arrow points from it to a blue callout box containing the text '비디오와 함께 연동되어 나오는 소리 그대로 트랜스크립트로 확인 가능' (Sound that comes out linked with the video can be confirmed in the transcript as is). The transcript text includes: 'done about five years ago is a change from that lecture format, uh... inside the classroom, where sometimes I'm lecturing about these concepts for 45 to 50 minutes. I've taken that out and I put it outside the timetable and kind of condensed it to about an eight to ten minute video. The first bit of digestion happens in the mouth. So this is where starch, gets broken down into maltos. So it doesn't get broken down into a... Obviously, we're that doing that the flip model, where we watch the videos outside of class that way we don't have to take up all the time with the disseminating of the content, we can take that information put it out and that video that takes eight ten minutes, twenty minutes after everything's written down and all said and done and now we can do activities like this, uh... in class rather than just me going back and forth.' Below this, there is a timestamp '28:25' followed by 'MYRON DUECK: Hang on a second. What you mean by outside the timetable?'. At the bottom, there is a timestamp '28:30' followed by 'SCOTT HARNKNESS'.

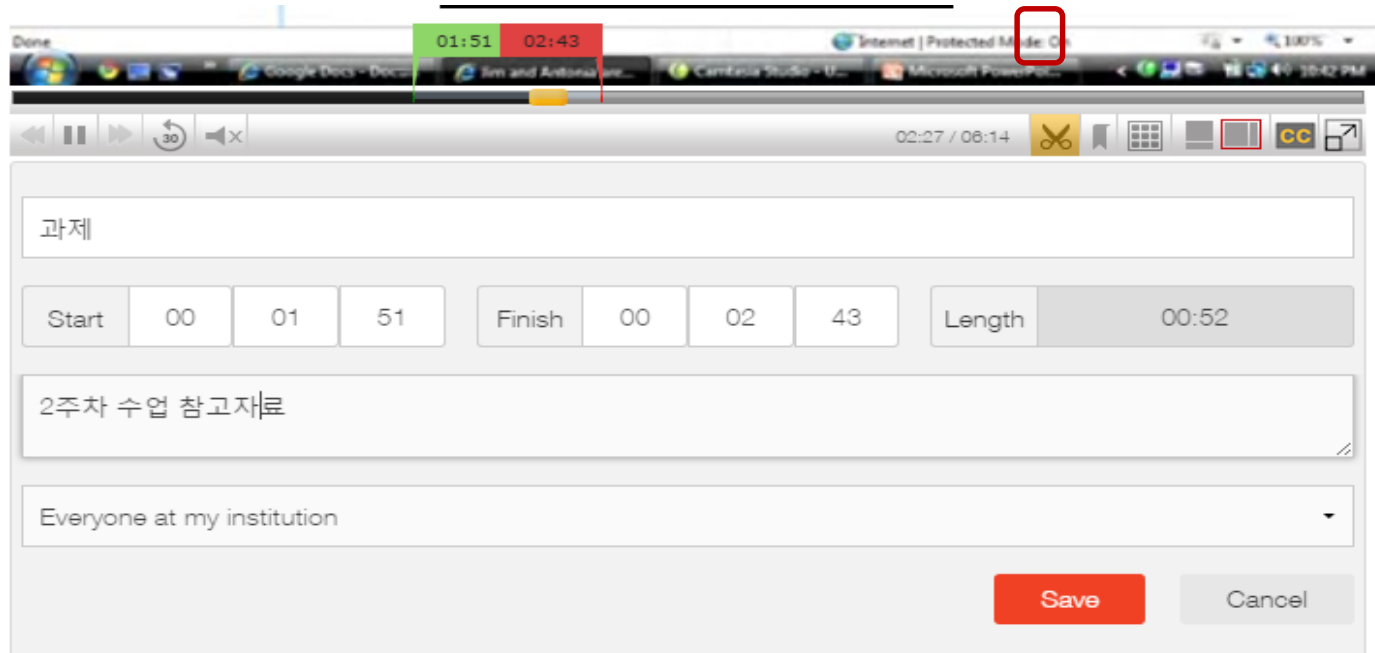
- (1) 트랜스크립트에서
검색하여 원하는 부분만
찾아보기
- 원하는 부분
(트랜스크립트) 클릭
시 비디오 함께 이동

비디오와 함께 연동되어 나오는 소리
그대로 트랜스크립트로 확인 가능



클립핑 - 화면 잘라내기

5. 강의와 관련된 부분만을 잘라내어 (clipping 기능 이용)
저장하기 (저장과 동시에 track 옆에 clip 탭 자동 생성)
- 잘라낸 비디오 (링크 자동생성) 링크 복사하여 본인 자료에
붙여넣기 후 이용하거나 해당 페이지에서 직접 이용



Clipping: 화면 하단의 아이콘 중 가위모양 클릭하면 비디오 중에서
본인이 원하는 분량만큼 잘라내어 저장하기 (개인계정 필요)



클립핑 - 잘라낸 화면 보기

Details Transcript Clips

클립 만든 후 Details / Transcript 옆에 Clips 탭 생성

Clips



과제



Notes: 2주차 수업 참고자료

(Duration: 00:52)

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생성된 클립마다 링크
부여

Permanent link to "과제"

Copy and paste the link below to create a link to this page on another website:

<https://search.alexanderstreet.com/view/work/3292034/clip/138279>

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Copy and paste the following code to embed this player in your website:

```
<iframe src="https://search.alexanderstreet.com/embed/token/0dadoc9j70p3ee8"
frameborder="0" width="470" height="390" allowfullscreen></iframe>
```



기능설명



- ① 북마크: 동영상 시청한 부분까지 표시
- ② TOC: 썸네일. 짧은 시간 단위로 구성된 화면 중 원하는 부분으로 바로 가기 선택
- ③ 화면구성: 화면 왼편, 위, 전체 보기 가능
- ④ CC: 자막 스크린에 띄우기
- ⑤ 전체 화면으로 키우기



기능설명

①

②

③

④

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- Print list: 인용문 출력하기
- Export list: 인용문 기관에서 이용하고 있는 형태로 보내기
- Save list: 인용문 저장하기
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스마트기기 이용한 자료보기

BBC Worldwide

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2 Enter this short link directly into your device's web browser:

<http://asp.to/qhgh>

3 Scan this QR Code with a compatible device:



[What's This?](#)

28:18 / 44:25

Exposed

presented by Nancy Durham; produced by Guy Smith, British Broadcasting Corporation (BBC), in Correspondent (London, England: British Broadcasting Corporation (BBC), 2013), 44 mins

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- ① “Send to mobile” 클릭
- ② 옵션 선택 (3가지 방법 중 선택)
 - 본인의 전화번호 입력 (국가번호+전화번호)
 - URL 접속
 - QR 코드 스캔

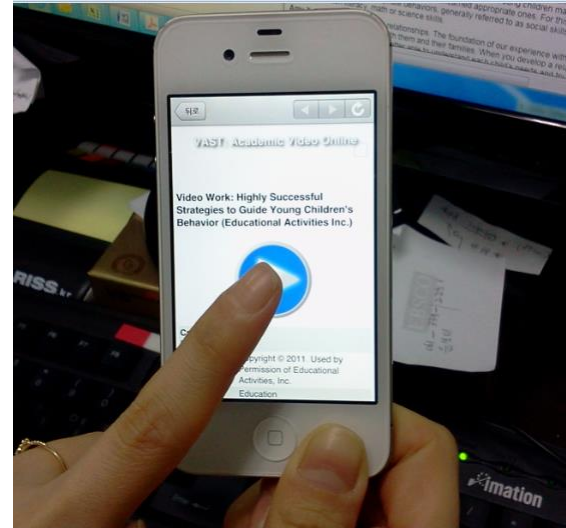


스마트기기 이용한 자료보기

①



②



- ① 스마트 기기로 QR 코드 스캔
- ② 선택한 작품이 스마트 기기에 디스플레이 되면 재생 버튼 클릭
- ③ 동영상 감상

③





감사합니다.