

■ NSCF kontakt

NSCF bestyrelse 2005 - 2007:

■ Lotta Johansson,

Navet, Sverige (formand)

Tel +46 3335 3396

lotta.johansson@navet.com

■ Jonna-Marleena Härö,

Tietomaa, Finland

Tel +358 44 703 1341

Jonna-Marleena.Haro@ouka.fi

■ Nils Hornstrup,

Experimentarium, Danmark

Tel +45 3925 7226

nilsh@experimentarium.dk

■ Målfrid Snørteland,

Jaermuseet, Norge

Tel +47 5179 9432

maalfrid.snoerteland@jaermuseet.no

■ Tómas Óskar Guðjónsson,

Fjölskyldu- & húsdýragardurinn, Island

Tel +354 5757 800

tomas@husdyragardur.is

NSCF Administration 2005-2007:

NAVET

Nybrogatan 9A

SE-503 31 Borås

Tel +46 3335 3757

Fax +46 3335 3758

Email: info@navet.com

NSCF Newsletter:

nilsh@experimentarium.dk

NSCF web site:

<http://www.nordicscience.org>



Chairmans message!

■ September 25, 2006

It is pleasing to HEAR that a lot is happening at our science centers in the Nordic countries, but those of us on the Board also want to SEE this in our Newsletter. I understand that it can be difficult to find time to write, but it is important for the whole science center sector to show people outside our own local areas that there is a hive of activity and creativeness.



This issue of the NSCF newsletter will also be available in print. In my experience, there are not many who read newsletters on the website. Several people have told me they miss having the newsletter in their coffee rooms or reading corners. I personally use our newsletter when I talk to politicians and sponsors to show them that there are many places with similar activities and that many of these places are making great efforts and investments. Our ambition is also that the newsletter will be on our website.

I hope there are many of us who can meet in Stockholm on 7. - 8. December. There is much to give each other and to discuss. An important point at the conference will be to decide the direction and ambition of NSCF. What I want you all to think about is: NSCF, an association for the future! What do you want the association to do and how shall we do it? What role do you want the association to have in Europe and the world?

In the last issue, I asked for science centers interested in forming a group to create "Sustainable Development with Carl von Linné". In October, staff from Fenomenalen, Jaermusset, NAVET, Dalenium and Vitensentret Innlandet are to meet to produce a dramatisation on this theme. We hope to show you some results in Stockholm.

I wish you all a good, creative autumn and I will see you at Tekniska museet in Stockholm, Wednesday 6. December from 17.00 hours. We will meet in the temporary 'Science Pub', arranged in the Media Studio of Tekniska Museet.

Sincerely Lotta Johansson, Navet, Borås.

xxxxScience Seasonxxxx

NSCF Annual Conference 2006

at the Museum of Science and Technology in Stockholm
December (6) - 7 - 8, 2006

SCIENCE SEASON – STRATEGIES, METHODS and TOOLS

The Museum of Science and Technology in Stockholm wishes you a warm welcome to the Nordic Science Centres Association's yearly gathering. You'll arrive to a wintry Stockholm and to a quite different kind of Meeting. This is when and where we shall all celebrate the Science Season! In a friendly environment we gather our large Science Family in the North to explore Strategies, Methods and Tools for Science Communication. A new member of our family comes all the way from the Wild West and we are honoured and delighted to have, from the Hasselblad Foundation, as one of our main speaker, professor Ilan Chabay. His field of expertise is in Public Learning and Understanding of Science. He also represent the University in Gothenburg and Chalmers.

You shall consider our meeting as a huge "Science Julbord" where many different "meals" will be served and made possible to chose from. Our idea is that we shall all take what we like from this display. Some of the dishes will be so fresh, that they will be presented to you much closer to the actual event. Please enjoy now, the program, as it looks as of today. And again, a huge warm welcome to all of you. See you in the Science Season in Stockholm!



ACCOMMODATION AND HOW TO REACH US

From the Airport you reach the museum by taxi, train or bus. It takes about 30 minutes to get to the Central Station. From the Central Station it takes about 15- minutes to reach the museum, bus 69. Get of at Museivägen.

You arrange your accommodation on your own, and you can get a lot of help from

Hotellcentralen Phone: +46 8 508 285 08

hotels@svb.stockholm.se or book on-line at

www.stockholmtown.se

However: We have an arrangement with Villa Källhagen www.kallhagen.se, a quite nice hotel, 300 m from the museum, where we have blocked double rooms for Conference Delegates. 2280 SEK/room. The do not have single rooms but can turn a double room into a single room for 1870 SEK. Your reference number is 042147.

REGISTER TO THE CONFERENCE NOW!

To register, send an e-mail to Mariana Back

mariana.back@tekniskamuseet.se

The conference fee is 1500 SEK and shall be transferred to our Bank:

SEB in Stockholm, Account no: 5255 10 119 49,

IBAN no.: SE1650000000052551011949, Bic-code: ESSESESS.

Please mark your payment "NSCF AC 2006"

We ask you please to pay before November 15, 2006.

If you need more information feel free to call:

Mariana Back, tel. + 46 8 450 5757 or Eva Ramberg, tel. + 46 8 450 5658

WE ALL WISH YOU A VERY WELCOME!

xxxxScience Seasonxxxx

NSCF Annual Conference 2006

at the Museum of Science and Technology in Stockholm
December (6) - 7 - 8, 2006

PRELIMINARY CONFERENCE PROGRAM:

Appetiser on Wednesday, December 6:

Afternoon: Arrival to Stockholm, installation in your hotel.

17.00–21.00 Informal social get-together in the Science and Technology PUB in the Media Studio at the Museum of Science and Technology.

Enjoy a cold beer or warm glögg in our temporary PUB. You'll also get a chance to produce a 1-minute show, featuring your own facility and give us news from there! You will work in team with professional staff members from the museum. They have long experience of the high standard technology used in the Media Studio. The results of your work will be presented at 2 pm, on Friday 8. It will also be posted on our web page.

Later on this same evening, we will initiate the theme for the conference; Science Season, and Christmas Chemistry, by making and blasting of some not so violent Fireworks!

Main Corse on Thursday, December 7:

09.00–10.00 Coffee and Registration

10.00–10.15 Welcome! Background and Theme of the Conference. Lotta Johansson, Chairman NSCF.

10.15–10.30 Opening of the Conference, Museum Director Anne Louise Kemdal.

10.30–11.15 Experience! Carl Heath, from GR-Upplevelsebaserat lärande, Göteborgs.

11.15–11.30 Fruit, drinks and Ice Breakers.

11.30–12.15 An "Aquarium" Discussion about Science Understanding organized by Nils Hornstrup, Experimentarium.

12.15–13.00 Group 1) Science Season, Christmas Exhibit.

Group 2) Christmas Lunch Plate of your choice.

13.00–13.45 Group 1) Christmas Lunch Plate of your choice.

Group 2) Science Season, Christmas Exhibit.

14.00–17.00 Museum Workshops on Tools and Methods in Science Communication.

17.00– 19.00 Science Café and/or Leisure time.

19.00–24.00 Science Season Christmas Dinner. Expect the unexpected!

Dessert on Friday, December 8:

09.00–09.30 Good Morning and Coffee

09.30–10.30 Ilan Chabay, Ph.D., Public Learning and Understanding.

10.30–12.00 Open Space (including fruit/drink).

12.00–13.00 Annual Meeting, Nordic Science Centre Association.

13.00–14.00 Lunches

14.00–15.30 Reports from the Field. One minute per Science Centre.

15.30–16.00 Conference closing.

15.30–16.00 Coffee in "Luftrummet".

16.00–16.30 Possible "Flight mission" in the 4D Theatre.

16.30–17.00 Possible "Flight mission" in the 4D Theatre.



Er du en KREALIST?

■ Eline Hjelle, Kursusleder, NTM

Vitensenteret ved Norsk Teknisk Museum deltar i utviklingen av nytt spennende kursopplegg i Oslo

Hva er en KREALIST?

En KREALIST er en person som ved å kombinere kunnskap fra ulike fagområder får nye og spennende utfordringer, muligheter og resultater!

KREALISTkurs om HAVET for barn

I Oslo pågår nå i høst verdens første KREALISTkurs, for barn på 7-9 år i følge med en voksen. Vi tar for oss et tema og ser på det fra mange ulike vinkler. I høst er temaet HAVET. Senere tenker jeg å bruke andre tema fra de fire elementer.

For at barna som deltar på kurset skal få en mest mulig helhetlig opplevelse og forståelse av HAVET, møter de på høstens KREALISTkurs syv ulike innledere: en realist, en havforsker, en filosof, en musiker, en kunstner, en industridesigner og en vitensenterpedagog.

Tanken bak kurset er å presentere realfag og de andre fagområdene i samspill med

hverandre, noe jeg tror vil gi alle fagfeltene en god gevinst.

Idéen til KREALISTkurset

Idéen til KREALISTkurset fikk jeg etter å ha levd med mine tre aktive sønners spørsmål gjennom mange år: "hvorfor heter det hvorfor", "Tenk om jeg kunne gå med hodet, da", "Kan vi ikke bare lage en ny" (samme hva som er ødelagt!) og "Se den skyen ligner en andunge med sekk på", glir helt naturlig inn mellom "Kan du hjelpe meg å knytte skolissen" eller "Kan jeg få en pannekake til".

Barn er jo naturlige KREALISTER! De beveger seg daglig ubesværet inn og ut av absolutt alle tenkelige og utenkelige

fagfelt og lander stadig på uventede og kreative løsninger.

Voksne og barn sammen

Et viktig side av kurset er at barn og voksne går sammen på dette etter skoletid. Kurset er ikke ment som en forlengelse av skolen, eller for de spesielt skoleflinke. Alle kan

være med, og vi er mye ute og gjør mange praktiske eksperimenter og oppgaver sammen.

Fra idé til virkelighet, - vi skaper et produkt tilknyttet havet

I siste del av kurset skal deltagerne gå sammen i grupper og lage et eget produkt fra havet. Vi får hjelp gjennom prosessen fra idé til virkelighet av en industridesigner. Her får deltagerne selv komme med ønsker om hva som skal utformes og barn og voksne jobber sammen for å lage dette produktet som skal utstilles på siste kurskvelden sammen med det andre vi har laget i løpet av kurset.

KREALISTER i alle aldre

Senere kan det være mulig å tenke seg KREALISTkurs modellen også for andre aldersgrupper, som vil videreutvikle seg. For eksempel ungdom, voksne eller kanskje pensjonister.

Samarbeidspartnere på høstens KREALISTkurs

Mine samarbeidspartnere er NITO (Den norske ingeniørorganisasjonen), RENATE (Nasjonalt senter for kontakt med arbeidslivet om rekruttering til realfag), Henie Onstad Senteret (kunstgalleri), samt Vitensenteret ved Norsk Teknisk Museum.

Mere informasjon: www.krealist.no ■





The new Science Centre in Sandnes under construction.

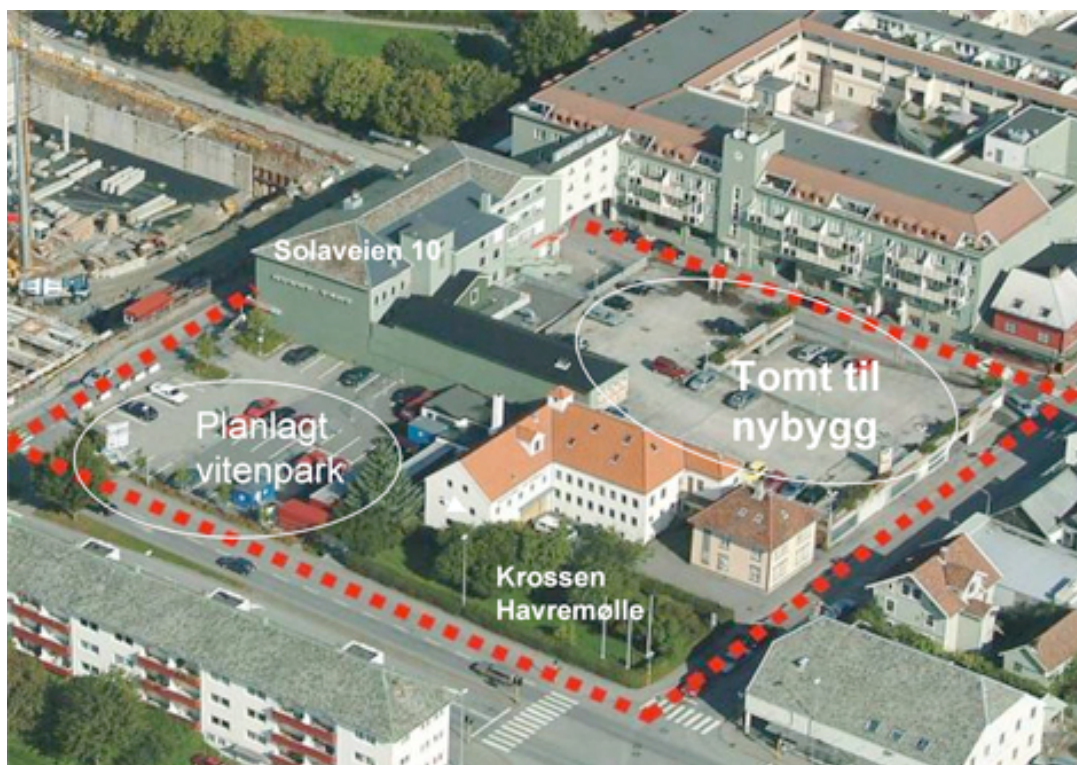
News from Jærmuseet

■ Målfrid Snørteland.

The construction of the new museum building for Vitensenteret in Sandnes has started!

interactive exhibition: "Abels sketch-book". The title refers to the famous Norwegian mathematician, Niels Henrik Abel, who was born in our county, Rogaland. The exhibition will show the relationship between art, science and technology.

ment (45 mill. NOK), Rogaland County (17 mill), the Municipality of Sandnes, where the new project is located, (25 mill.), the other Jæren municipalities (4 mill.) and 4 mill. from a regional bank (Sparebank 1- SR bank).



We also want to include a planetarium in the building. To realise this we need about 25 mill. NOK more. But we are still optimists, and are now expecting that the STATOIL Board will make the right decision.

You can follow the progress of the work on the Stavanger Aftenblad web camera:

In 2008, the Stavanger region will be European Capital of Culture. Children and young people are key audience, and Jærmuseet plan to offer our inhabitants and guests a brand new museum building with a new and exciting

The building will have a floor area of about 4000 m², 1000 m² of which is planned as an exhibition area. The building will cost about 95 mill. NOK (exclusive taxes/mva). The building is financed by money from the Norwegian Govern-

<http://web3.aftenbladet.no/webkamera/article347256.ece>

■

Intelligent trafik

- Heurekas huvudutställnings nya avdelning from 29. september 2006

■ Ilse Lyly, Coordinator, Marketing & Public Relations

Kan trafiken bli verkligen intelligent? - Vi har redan nu intelligenta trafiksystem och de blir bara bättre. På Heurekas nya utställningsavdelning kan man testa trafikens värld av on-line information och bekanta sig med intelligenta trafiksystem.

Utställningen fungerar som en tankeväckare och får Heureka-besökarna att se på trafiken, dess nätverk och informationstjänster ur många olika perspektiv.

Projektet är ett samarbete mellan Heureka, "ITS Finland ry" och olika sammanslutningar inom trafikbranschen. Utställningen består av 15 utställningsobjekt som behandlar olika trafikformer och trafikantgrupper.

De teman som presenteras är:

- vägtrafikens trafiksystem – trafikinformation i realtid, trafikljusstyrning och nya tjänster
- järnvägarnas system för trafikstyrning – automatisk tågkontroll och säkerhetsanordningar
- sjöfartens trafiksystem – sjökort och farleder, sjötrafik i realtid
- aktuell flygtrafikinformation
- kollektivtrafiksystem – uppföljning av kommunikationsmedel, informationssystem i realtid
- nödcentralen – nödcentraloperatörens arbete
- väder och väderleksprognoser – vädrets effekter på trafiken

- digitala kartor och flyg- och satellitbilder – terräng och markanvändning, trafikledernas placering
- passkontroll – biometrisk kännetecken, maskinsyn

fungerar precis som i verkligheten. Utställningsobjektet består av två tåg och två styrpulpeter. I enlighet med givna anvisningar ska förarna reglera hastigheten, följa signalerna och med jämna

mellanrum trycka på den s.k. "dödmanskopplingen". Banan är försedd med automatisk tågkontroll som förhindrar olyckor.

Hjälp – ring 112!

Skulle du kunna fungera som nödcentraloperatör? Detta utställningsobjekt kräver två besökare: en som agerar som

nödcentraloperatör och en som ringer nödsamtalet. Målet är att få räddningseenheterna mobiliserade på 90 sekunder! Man kan välja mellan olika nödsituationer, t.ex. en brand i ett våningshus, en krock med plåtskador och en sjukdomsattack.

På havet!

Fartygen på Finska viken syns i realtid via identifieringssystemet. Välj ut ett fartyg på skärmen och få mer information om detta: fartygets namn, nationalitet, hastighet och storlek. Dessutom kan man välja att zooma in i Helsingfors och Tallinns hamnområden.

Vidare får besökaren planera en farled komplett med säkerhetsanordningar som leder från öppna havet genom en



Exempel på utställningsobjekt:

Kör längs framtidens väg!

I körsimulatoren sitter besökaren på bilens förarplats, väljer en årstid och startar bilen. Framför vindrutan projiceras en tredimensionell panoramabild av Tammerfors västra omfartsled som kommer att stå klar år 2008. Uppgiften är att köra den rutt som navigatören visar. Navigatören ger föraren instruktioner såsom information om rutter och trafikstockningar, störningsmeddelanden samt varnar för dåliga väglag, olyckor och överhastighet.

Lokförare!

Som lokförare får besökarna köra moderna tåg i en miniatyrjärnvägsmiljö som

skärgård full med grund och in i hamn, se vilka flygplan som för närvarande flyger i Nordamerikas luftrum, studera hur huvudstadsregionens kollektivtrafik fungerar i realtid, se om man lyckas lura det biometriskas ansiktsigenkännings-systemet, ändra väderleksförhållandena och samtidigt se vilka effekter det har på trafiken, bokstavligt talat gå på kartan och se längs vilka ruttor besökarna har rört sig i utställningshallen och vilka som varit de mest populära utställningsobjekten. Slutligen kan man kontrollera på infoskärmen hur man kan ta sig hem med hjälp av kollektivtrafik.

Heurekas samarbetspartner i utställningshelheten Intelligent trafik: Nätverket för intelligent trafik - ITS Finland ry, Helsingfors stads trafikverk HST, Hewlett-Packard, Nödcentralsverket, Finavia, Meteorologiska institutet, Trafikskyddet, Lantmäteriverket, Sjöfartsverket, Synskadades centralförbund, Banförvaltningscentralen, Tekniska högskolan, Vägförvaltningen, Vägaffärsverket, VR-Group Ab, UPM Raflatac

Information: www.heureka.fi ■

Vitensenteret får ny leder

Fra 1. oktober er Jan Alfred Andersson tilbage som leder af Vitensenteret ved Norsk Teknisk Museum efter at Kristine



Gjessing er blevet headhuntet tilbage til olieindustrien, hvor hun skal arbejde med olie og gas projekter i en række udviklingslande. Som Jan udtrykker det: "Akk, vi klarer ikke å konkurrere med de lønningene! Vitensenteret er nå på god vei, og jeg gleder mig til å ta over igjen..." ■

Xtremes

- a marriage between the Science Center world and Natural History Museums.

■ Per Velk, Director of Research & Development

Xtremes is a new travelling exhibition developed in close cooperation between Experimentarium and the Natural history museums in Holland (Naturalis) and Belgium (RBIN). It has opened 12. october in Naturalis and will continue to Experimentarium in 2008 and RBIN in 2009 and hopefully to others afterwards. The topic is the extreme climatic habitats of our Earth and how humans, animals and plants have adapted themselves to these environments.

The cooperation method was not just to invest one third of the money in the project but also from the very start to form a project group with members from the three institutions. In this way all parties participated in the discussion of the content and the cultural differences between the visitors in the three countries and the differences between the science center world and the natural history museum world. The idea was to bring in the best things from the different worlds and try to combine it in a strong exhibition. The ambition was not just to make a good exhibition but also to give the employees in the different institutions a kick from other cultures and in that way develop the personal skills of the institutions. How did it then go??

Well – I think all partners are very satisfied with the result – a combination of interactives, stuffed animals and amazing films and computerprogrammes. But as you all know the real hard judge is our visitors – so we will have to wait until they have given their "vote". The process was very exciting for all of us. We chose to split the work so that each partner made app. one third of the work. Naturalis made the overall design and the graphics, Experimentarium produced

most of the interactives and RBIN arranged with the stuffed animals, films and computerprogrammes.

We needed a lot of meetings and emails but due to the good flight connections between Copenhagen, Amsterdam and Brussel it was possible to arrange one day meetings without using too much money for Hotels etc. So yes we used some more money on communication, but compared to the total budget it was of minor importance. In general we don't think that the geographical distance did harm the process very much. And we are sure that the contact between the employees has been beneficial for the personal development and thereby for their companies.

So – this has for us been a very new way of making exhibitions – but definitely a possible way to continue especially if there is a synergy between the cooperation partners.

For more information contact:

Per Velk, tel: +45 3927 3333

perve@experimentarium.dk ■



T. rex – Dræbermysteriet

Særudstilling fra London i ny ramme

■ Poul Kattler, Projektleder

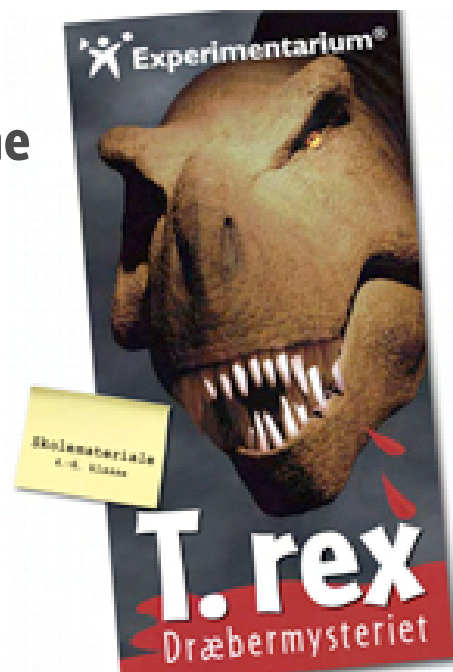
Dinosaurudstillinger kræver udstillingssteder, der er store nok til at huse en stor udstilling og store nok til at løfte en betydelig økonomisk risiko. Rejseudstillingerne fra Natural History Museum i London med Kokoro (Tokyo) som underleverandør, er populære blandt de større Science Centre og tiltrækker som hovedregel et stort publikum, ikke mindst blandt de yngste børn.

En dinosaurudstilling er ikke kun en blockbuster til glæde for museets økonomi, men er også en nøgle til fascination og interesse for nyt og gammelt publikum. Men hvis de animerede "gummi-dyr" skal være i stand til at skabe denne interesse, så skal hver enkelt udstilling ledsages af et godt

budskab og en gennemført scenografi. Passer budskab, scener med dyrene og scenografien sammen, så er succesen (næsten) sikker!

Rovdyr eller ådselæder

Udstillingen T. rex, der rejser rundt i disse år, er baseret på en virkelig videnskabelig konflikt. Der er faktisk tvivl blandt palæontologer (som forsker i fortidsdyr) om dyrenes levevis. Forskerne har de samme spor at følge, men deres analyser fører dem i to retninger: Var T. rex en frygtelig dræbermaskine? Var T. rex tværtimod en super-specialiseret ådselæder? Eller et kompromis; måske både rovdyr og ådselæder?



Dræbermysteriet skal løses

For at kunne løse dræbermysteriet – som om det er en kriminalgåde – kræver det både konkrete spor og en særlig fremgangsmåde. Sporene kan tilvejebringes i nutiden med fossiler og sammenlignende studier af nulevende dyr. Men disse spor fører tilsyneladende ikke til en

klar løsning på gåden. Kan man med en tidsmaskine skaffe sig adgang til Kridttiden (for 65 mill. år siden), så er der pludselig helt nye og enestående muligheder for observationer.

Det er netop hvad vi har tænkt os på Experimentarium.

Hvad møder publikum?

Først stiger man ind i et nutids univers, med et skelet (i fuld størrelse) af T. rex som midtpunkt. Man leger gætteleg om nutidens dyr, tester syn og lugtesans. Ser en introduktionsvideo og finder ægte fossiler i Faxe kalk.

Publikum opfordres til at løse dræbermysteriet og får udleveret en tjekliste med 8 punkter, de skal observere i nutiden og i Kridttiden. De mindste





børn kan tegne nogle af de mest interessante dele af T. rex.

Hvis man tør, så stiger man nu igennem en tidsmaskine, der med lys, lyd og andre visuelle effekter flytter publikum i tid og sted.

På naturvandring i Kridttiden

Experimentarium har haft mandskab tilbage i tiden og forberedt en sikker sti gennem noget af Kridttiden, i perioden lige inden dyrelivet blev ramt af masseuddøen. Dyrene er selvfølgelig frie og kan træffes ude til siderne – det er publikum, der er spærret inde bag sikre hegn. Et sted har et dyr alligevel været igennem hegnet natten før...

Flere steder opfordres publikum til at bruge sig selv som reference: Hvor hurtigt kan du gå kapgang? og hvis du fandt friske spor efter T. rex på stien, kan du så bedømme, hvor hurtigt dyret kunne gå? Stemningen er en blanding af naturvandring, Jurassic Park og Indiana Jones. Men scenerne med dyr er selvfølgelig de vigtigste. I Kridttiden kan man for alvor bedømme, hvordan dyrene levede. Og sporene af T. rex' levevis viser sig at pege i flere retninger. Publikum afslutter med

at sammenveje argumenterne og hjælper til sidst palæontologerne – på vej hjem fra Kridttiden – med at stemme. Jo flere vidnesbyrd palæontologerne får fra publikum, des bedre.

Historiefortælling vigtig

Det har været vigtigt for os, at publikum kommer i den rigtige stemning. Det er ikke en fredelig børnehaveudflugt at gå rundt i Kridttiden. Dufter, lyde, bevægelser og gangareal giver en atmosfære af ud-

forskning og uhygge. Når følelserne først er slået an, tror vi at udstillingens gode faglige budskab er godt hjulpet.

Godt til skolen

Vi mener at budskabet er super-perfekt for skoleklasser med elever fra 10 – 13 år. Det er til denne målgruppe vi har designet det gratis skolemateriale, der sætter klasserne i gang med emnet. Klasserne kan booke en særligt uddannet udstillingspilot, der på maks. 10 minutter sætter klassen i gang med deres opgave som "natur-detektiver" i udstillingen.

Mere information:

poulk@experimentarium.dk

www.experimentarium.dk ■



New game with chromakey technique from Kreativum - Space Race!

■ Tina Ivarsson, Marknadschef



The games using chromakeying technique from Kreativum is an ongoing success at the Science Center. The first three games, (Recycler, Goalkeeper, and Word-catcher), is now extended by a new spectacular game "Space Race".

Like the three earlier games "Space Race" has been developed by Gameport with ideas and input from Kreativum.

What is "chromakeying"?

Chromakeying is the technique of separating a specified object (a human for example), from a photo or series of photos, (ie movie). A classic example is the movie "superman", where the actor is suspended in front of a green screen. The green is removed from the filmed clip, and replaced with a clip showing some clouds. The resulting effect is, (as you may remember), a man flying among the clouds.

What is "Space Race"?

"Space Race" is an interactive game where you, using your body in front of a green screen, bring your ship from earth, around the sun finally arriving at Pluto. A

large screen shows the player inside the ship, where he/she interacts with his/her surroundings. Visual and audio effects combines to give the player an amazing experience.

Catch boosters to pick up that extra speed, but be careful not to hit meteorites or marsian-spaceships. The best results are stored in a high-score with the picture of the player and his/her final race time.

The game will soon be installed in the exhibition! Would you like more information? Send a mail to anders.strange@kreativum.se!



Nytt från Technichus

Entreprenörskap i Science center miljö!

Att plocka in entreprenörskap inom väggarna för ett Science center är nog för många något helt nytt. Technichus i Härnösand har från och med hösten 2006 lagt till entreprenörskap som område vi skall inspirera och skapa intresse för, förutom naturvetenskap och teknik.

Ordet entreprenörskap hör man numera ganska ofta men vad det betyder finns det nog lika många förklaringar som personer. En entreprenör menar vi är den som ser fler möjligheter än svårigheter. Att plocka in entreprenörskap inom Technichus ger oss ett extra verktyg då vi arbetar med pedagogiska program. Vi kan på ett mer uttalat och tydligt sätt stärka deltagarnas förmåga att ta till sig problemlösningar, träna dem att vara uthålliga och

våga testa nya saker. Vi skapar lustfyllda pedagogiska stationer och experiment där besökarna får träna sina entreprenöriella förmågor. Ungdomarna får träna att sälja produkter de tillverkat på olika mässor. Under sommaren har vi också i samarbete med den Kommunala Entreprenörs- och Teknikskolan, KomTek, genomfört programmet "Sommarlovsentreprenören" där ungdomar med en litet startkapital samt rådgivning från Technichus kunat pröva sina affärsidéer på riktigt.

NAVET: Superintendent Inga and the unpleasant Mr. Svinpäls

The ruthless businessman Mr. Svinpäls was found dead in his office at 7.15 am on a Thursday morning. His death raised a number of questions, mainly because he was a genuinely unpleasant person and quite a few people would benefit from his death. The question is; who did it and why?

keen on working with her again! No wonder, when working with her always includes the use of modern forensic technology, fascinating chemistry and ultimate brainpower. Every group is going to have to work really hard to examine every detail of their

specific evidence; maybe the hard work will give the team the breakthrough they need!

For more information contact:
info@navet.com ■

During 2004 and 2005 NAVET had extraordinary help from superintendent Inga and her crew in solving the "case of the false painting". As their work came out as a complete success, now it's time for a new case.

At NAVET we are very proud to present complete facilities with a briefing room and a laboratory for superintendent Inga and her laboratory assistants; hopefully it'll help them in their search for the truth. In this case, they will have to deal with a few really tricky problems....

So far thirty groups of students, ages 10-18, are booked to work with the new case. Many of them have met superintendent Inga before and are obviously



Xperiment Huset i konkurs!

Jan Sjökvist beretter:

Förra tisdagen lämnade styrelsen för Xperiment Huset in ansökan om konkurs. Samma dag lämnade vi i personalen in nycklarna. Just idag är jag på jobbet och städar bland papper och avtal.

Bakgrunden är följande: vår ägare sedan ett år tillbaka - Kärnhem, ett lokalt byggföretag, ville inte ta extra kostnader för en extra flytt till andra lokaler. Saken är den att vi sedan årsskiftet inte har hyresavtal med hyresvärden, DinBostad AB, som köpte lokstallet förra året. Nu blir vi utsparkade, alternativt betalar 250% mer i hyra.

Orsaken till att hyresavtalet inte förlängdes är en formell miss av det ombud styrelsen anlitat för att slutföra hyresförhandlingen under 2005.

Just idag vet vi att konkursadvokaterna fått in flera anbud på verksamheten. Jag kan bara hoppas att utställningen blir kvar i Växjö. Det blir dock inte lätt att få till stöd för en ny verksamhet, eftersom det har varit ett av våra stora bekymmer senare år.

A popular approach on technology

■ Lotta Johansson, NAVET

One of NAVETs most important goals is to give visitors of all ages the opportunity to learn more about science, math and technology in a context which is creative, easy to understand and connected to history and culture. There was just one problem, we didn't have a program in technology for students that we all felt was up to date. It was time to do something about it, time to create something new!

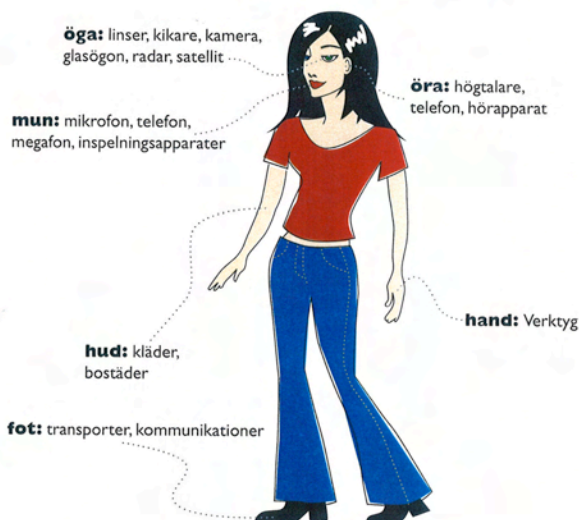
"The technology around us strengthens our senses, improves our functions and protects our lives" (Definition of technology at NAVET).

Ada Lovelace was involved in creating a calculating machine when she realized that the technology could be used to perform more than it was designed to do; including the creation of new music or calculations that would make you a successful gambler. Alexander Graham Bell on the other hand was interested in developing technology that would make life easier for people with hearing disabilities, and led him to create the telephone.



from something they know and are familiar with!

"Med tekniken förstärker vi våra sinnen, förbättrar våra funktioner och skyddar vår existens."



When creating the new technology theme we chose to start with Ada Lovelace (1815-1851), computers, Alexander Graham Bell (1847-1922), the mobile phone and the technology in sending messages.

visit. They get to try different techniques in a variety of different ways, so that they can use it properly. And maybe, sometime back in school or in the future, they can develop something completely new

We decided to use these characters because their inventions were actually made for specific purposes and when combined in the mobile phone, they do something new. That is definitely an important role of technology!

This role of technology is therefore something that we are trying to make the students familiar with during their

When sending out the program for this term, we were surprised to see how many teachers in our schools that wanted to try this approach on technology, and we are hoping that a few of them will adapt our ways of working with it. Maybe they can use Ada Lovelace, Alexander Graham Bell and other characters from history to help their students understand that technology is something that is constantly developing and changing.

Navet would like to get in contact with other science centre that has developed new concept for approaching technical science.

For more information contact:
Lotta.johansson@navet.com



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